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OM protein - protein search, using sw model

Run on: August 2, 2005, 22:37:58 ; Search time 159 Seconds
(without alignments)
1090.412 Million cell updates/sec

Title: US-10-801-671-2
Perfect score: 2410
Sequence: 1 MCIPLEASHSVEDTHPSHY.....QRITLDEALQHPFDLLKKK 445

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1745140 seqs, 389608008 residues
Total number of hits satisfying chosen parameters: 1745140

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
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13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
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21: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2410	100.0	445	9	US-09-810-671-2
2	2410	100.0	445	13	US-10-109-854-2
3	2410	100.0	445	13	US-10-339-656-2
4	2410	100.0	445	16	US-10-801-671-2
5	2315.5	96.1	481	15	US-10-267-502-352
6	2312	95.9	427	9	US-09-810-671-4
7	2312	95.9	427	13	US-10-109-854-4
8	2312	95.9	427	14	US-10-339-656-4
9	2312	95.9	427	16	US-10-801-671-4
10	2261.5	93.8	481	9	US-09-905-999-25
11	2261.5	93.8	481	15	US-10-267-502-355

12	2261.5	93.8	481	16	US-10-825-177-25	Sequence 25, Appl
13	1893	78.5	484	15	US-10-267-502-353	Sequence 353, App
14	1887	78.3	429	9	US-09-810-671-5	Sequence 5, Appl1
15	1887	78.3	429	13	US-10-109-854-5	Sequence 5, Appl1
16	1887	78.3	429	14	US-10-339-656-5	Sequence 5, Appl1
17	1887	78.3	429	16	US-10-801-671-5	Sequence 5, Appl1
18	1887	78.3	484	15	US-10-116-275-127	Sequence 127, App
19	1887	78.3	484	16	US-10-755-889-2	Sequence 2, Appl1
20	1836	76.2	483	15	US-10-267-502-356	Sequence 356, App
21	1824	75.7	483	9	US-09-905-999-20	Sequence 20, Appl
22	1824	75.7	483	16	US-10-825-177-20	Sequence 20, Appl
23	1740	72.2	352	15	US-10-425-114-54366	Sequence 54366, A
24	1740	72.2	352	15	US-10-425-114-54510	Sequence 54510, A
25	1692	70.2	374	16	US-10-664-421-131	Sequence 131, App
26	1607	66.7	301	15	US-10-267-502-357	Sequence 357, App
27	1526	63.3	350	9	US-09-925-298-539	Sequence 539, App
28	1526	63.3	350	14	US-10-102-806-539	Sequence 539, App
29	1427.5	59.2	499	9	US-09-905-999-21	Sequence 21, Appl
30	1427.5	59.2	499	16	US-10-825-177-21	Sequence 21, Appl
31	1417	58.8	499	10	US-09-790-852-3	Sequence 3, Appl1
32	1417	58.8	499	16	US-10-737-450-132	Sequence 132, App
33	1417	58.8	499	16	US-10-723-860-2555	Sequence 2555, Ap
34	1322	54.9	638	15	US-10-104-047-2626	Sequence 2626, Ap
35	1317	54.6	490	15	US-10-267-502-351	Sequence 351, App
36	1310.5	54.4	431	15	US-10-182-243-48	Sequence 48, Appl
37	1310	54.4	490	9	US-09-905-999-23	Sequence 23, Appl
38	1310	54.4	490	16	US-10-267-502-354	Sequence 354, App
39	1310	54.4	490	16	US-10-825-177-23	Sequence 23, Appl
40	1296	53.8	484	15	US-10-425-114-56866	Sequence 56866, A
41	1252	52.0	341	15	US-10-267-502-350	Sequence 350, App
42	1246	51.7	417	15	US-10-108-260A-4699	Sequence 4699, Ap
43	1222	50.7	511	15	US-10-267-502-349	Sequence 349, App
44	1222	50.7	517	13	US-10-108-605-135	Sequence 135, App
45	859	35.6	212	15	US-10-425-114-54148	Sequence 54148, A

ALIGNMENTS

RESULT 1

US-09-810-671-2
; Sequence 2, Application US/09810671
; Publication No. US20020076783A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810,671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Human
; US-09-810-671-2

Query Match	100.0%;	Score	2410;	DB	9;	Length	445;
Best Local Similarity	100.0%;	Pred. No.	2.1e-177;				
Matches	445;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
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Db	1	MCIPLEASHSVEDTHPSHYLEARSINERDYRDRYVDEYRNDYCEGYVPRHYHDI	ESG	60			
Qy	61	YRTHCSKSSVRSRRSPKGRNRHCSHQSRKSRKRSRSTEDDEEGHLICQSGDVL	R	120			
Db	61	YRTHCSKSSVRSRRSPKGRNRHCSHQSRKSRKRSRSTEDDEEGHLICQSGDVL	R	120			
Qy	121	ARVEIVDTLGEAGFGKVKVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHNS	TDP	180			
Db	121	ARVEIVDTLGEAGFGKVKVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHNS	TDP	180			

Db	121	ARYEIVDTLGEAGFGKVVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHNSDTP	180
Qy	181	NSVFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Db	181	NSVFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Qy	241	LHNKLTHTDLKPENILFKSDYVVKYNSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Db	241	LHNKLTHTDLKPENILFKSDYVVKYNSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Qy	301	LVSTRHYRAPEVILALGNSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPI	360
Db	301	LVSTRHYRAPEVILALGNSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPI	360
Qy	361	PQMIQKTRKRYFHHNQDWDHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRML	420
Db	361	PQMIQKTRKRYFHHNQDWDHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRML	420
Qy	421	EYDPTQRTITLDEALQHPFFDLLKKK	445
Db	421	EYDPTQRTITLDEALQHPFFDLLKKK	445
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; Sequence 2, Application US/10109854			
; Publication No. US20020119548A1			
; GENERAL INFORMATION:			
; APPLICANT: YAN, Chunhua et al.			
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC			
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES			
; TITLE OF INVENTION: THEREOF			
; FILE REFERENCE: CL000758DIV			
; CURRENT APPLICATION NUMBER: US/10109,854			
; PRIOR FILING DATE: 2002-04-01			
; PRIOR APPLICATION NUMBER: 60/227,470			
; PRIOR FILING DATE: 2000-08-24			
; PRIOR APPLICATION NUMBER: 09/810,671			
; NUMBER OF SEQ ID NOS: 5			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 2			
; LENGTH: 445			
; TYPE: PRT			
; ORGANISM: Homo sapien			
US-10-109-854-2			
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Best Local Similarity 100.0%; Pred. No. 2.1e-177;			
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
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Db	1	MCIPLEASHSVEDTHPSHYLEARSINERDYDRRYVDEYRNDYCEGYVPRHYHRDIESG	60
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Qy	181	NSVFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Db	181	NSVFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Qy	241	LHNKLTHTDLKPENILFKSDYVVKYNSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Db	241	LHNKLTHTDLKPENILFKSDYVVKYNSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Qy	301	LVSTRHYRAPEVILALGNSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPI	360
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Db	361	PQMIQKTRKRYFHHNQDWDHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRML	420
Qy	421	EYDPTQRTITLDEALQHPFFDLLKKK	445
Db	421	EYDPTQRTITLDEALQHPFFDLLKKK	445
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US-10-339-656-2			
; Sequence 2, Application US/10339656			
; Publication No. US20030134319A1			
; GENERAL INFORMATION:			
; APPLICANT: YAN, Chunhua et al.			
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC			
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES			
; TITLE OF INVENTION: THEREOF			
; FILE REFERENCE: CL000758DIV2			
; CURRENT APPLICATION NUMBER: US/10/339,656			
; PRIOR FILING DATE: 2003-01-10			
; PRIOR APPLICATION NUMBER: 10/109,854			
; PRIOR FILING DATE: 2002-04-01			
; PRIOR APPLICATION NUMBER: 09/810,671			
; PRIOR FILING DATE: 2001-03-19			
; PRIOR APPLICATION NUMBER: 60/227,470			
; PRIOR FILING DATE: 2000-08-24			
; NUMBER OF SEQ ID NOS: 5			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 2			
; LENGTH: 445			
; TYPE: PRT			
; ORGANISM: Homo sapien			
US-10-339-656-2			
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Best Local Similarity 100.0%; Pred. No. 2.1e-177;			
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
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Db	1	MCIPLEASHSVEDTHPSHYLEARSINERDYDRRYVDEYRNDYCEGYVPRHYHRDIESG	60
Qy	61	YRIHCKSSVRSRSPKRNKRNHCSSHQSRKSHRRKRSRSIEDDEEGHLICQSGDVL	120
Db	61	YRIHCKSSVRSRSPKRNKRNHCSSHQSRKSHRRKRSRSIEDDEEGHLICQSGDVL	120
Qy	121	ARYEIVDTLGEAGFGKVVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHNSDTP	180
Db	121	ARYEIVDTLGEAGFGKVVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHNSDTP	180
Qy	181	NSVFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Db	181	NSVFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Qy	241	LHNKLTHTDLKPENILFKSDYVVKYNSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Db	241	LHNKLTHTDLKPENILFKSDYVVKYNSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Qy	301	LVSTRHYRAPEVILALGNSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPI	360
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RESULT 4
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; Sequence 2, Application US/10801671
; Publication No. US20040152123A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV-III
; CURRENT APPLICATION NUMBER: US/10/801,671
; CURRENT FILING DATE: 2004-03-17
; PRIOR FILING DATE: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-801-671-2

Query Match      100.0%; Score 2410; DB 16; Length 445;
Best Local Similarity 100.0%; Pred. No. 2.1e-177;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MCIPLEASHSVEEDTHPSHYLEARSLSNERDYRDRYVDEYRNDYCEGYVPRHYHRDIESG 60
Db 1 MCIPLEASHSVEEDTHPSHYLEARSLSNERDYRDRYVDEYRNDYCEGYVPRHYHRDIESG 60

Qy 61 YRIHCKSSVRSRRSSPKRRNRHCSHQSRKSHRRKRKRSRSTEDDEEGLHCOSGDVLR 120
Db 61 YRIHCKSSVRSRRSSPKRRNRHCSHQSRKSHRRKRKRSRSTEDDEEGLHCOSGDVLR 120

Qy 121 ARYEIVDTLGEAGFKVVECIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP 180
Db 121 ARYEIVDTLGEAGFKVVECIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP 180

Qy 181 NSVPRFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSLFPQIDHIRMAYQICQINF 240
Db 181 NSVPRFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSLFPQIDHIRMAYQICQINF 240

Qy 241 LHNNKLTHTDLKPNILFVKSDYVVKNSKMKRDERLTKNITDKVDFGSGATYDDEHST 300
Db 241 LHNNKLTHTDLKPNILFVKSDYVVKNSKMKRDERLTKNITDKVDFGSGATYDDEHST 300

Qy 301 LVSTRHYRAPEVILALGWSQPCDVWSIGCILIEYILGFTVFQTHDSKEHLAMMERILGPI 360
Db 301 LVSTRHYRAPEVILALGWSQPCDVWSIGCILIEYILGFTVFQTHDSKEHLAMMERILGPI 360

Qy 361 PQMIQTRKRYKYPHNNQDWEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRML 420
Db 361 PQMIQTRKRYKYPHNNQDWEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRML 420

Qy 421 EYDPTORTITLDEALQHPFFDLKKK 445
Db 421 EYDPTORTITLDEALQHPFFDLKKK 445

RESULT 5
US-10-267-502-352
; Sequence 352, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27

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; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 352
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-267-502-352

Query Match      96.1%; Score 2315.5; DB 15; Length 481;
Best Local Similarity 96.2%; Pred. No. 4.5e-170;
Matches 432; Conservative 2; Mismatches 4; Indels 11; Gaps 2;

Qy 8 SH-SVEEDTH-----PSHYLEARSLSNERDYRDRYVDEYRNDYCEGYVPRHYHRD 56
Db 33 SHSSTQENRHCKPHHOFKESDCHYLEARSLSNERDYRDRYVDEYRNDYCEGYVPRHYHRD 92

Qy 57 IESGYRIHCKSSVRSRRSSPKRRNRHCSHQSRKSHRRKRKRSRSTEDDEEGLHCOSG 116
Db 93 IESGYRIHCKSSVRSRRSSPKRRNRHCSHQSRKSHRRKRKRSRSTEDDEEGLHCOSG 152

Qy 117 DVLRYRYEIVDTLGEAGFKVVECIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLN 176
Db 153 DVLRYRYEIVDTLGEAGFKVVECIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLN 212

Qy 177 STDPNSVPRFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSLFPQIDHIRMAYQICQ 236
Db 213 STDPNSVPRFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSLFPQIDHIRMAYQICQ 272

Qy 237 SINFLHHNKLTHTDLKPNILFVKSDYVVKNSKMKRDERLTKNITDKVDFGSGATYDDE 296
Db 273 SINFLHHNKLTHTDLKPNILFVKSDYVVKNSKMKRDERLTKNITDKVDFGSGATYDDE 332

Qy 297 HHSTLVSTRHYRAPEVILALGWSQPCDVWSIGCILIEYILGFTVFQTHDSKEHLAMMERI 356
Db 333 HHSTLVSTRHYRAPEVILALGWSQPCDVWSIGCILIEYILGFTVFQTHDSKEHLAMMERI 392

Qy 357 LGPI PQMIQTRKRYKYPHNNQDWEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLV 416
Db 393 LGPI PQMIQTRKRYKYPHNNQDWEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLV 452

Qy 417 RRMLEYDPTORTITLDEALQHPFFDLKKK 445
Db 453 RRMLEYDPTORTITLDEALQHPFFDLKKK 481

RESULT 6
US-09-810-671-4
; Sequence 4, Application US/09810671
; Publication No. US20020076783A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810,671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Human
US-09-810-671-4

Query Match      95.9%; Score 2312; DB 9; Length 427;
Best Local Similarity 100.0%; Pred. No. 7.3e-170;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 HYLEARSLSNERDYRDRYVDEYRNDYCEGYVPRHYHRDIESGYRIHCKSSVRSRRSSPK 78
Db 1 HYLEARSLSNERDYRDRYVDEYRNDYCEGYVPRHYHRDIESGYRIHCKSSVRSRRSSPK 60

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Thu Aug 4 11:19:27 2005

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Db 61 RKNRHCSSHQSRKSHRRKRSRSTEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 120
QY 139 ECIDHGMGDMHVAVKIKNVGRYREARSEIQVLEHLNSTDPNSVRCVQMLEWFDHGH 198
Db 121 ECIDHGMGDMHVAVKIKNVGRYREARSEIQVLEHLNSTDPNSVRCVQMLEWFDHGH 180
QY 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQSFNHLNKLTHDLPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQSFNHLNKLTHDLPENILF 240
QY 259 VKSDYVVKYNSKMKRDERLTAKNTDIKVDFGSGATYDDEHHSSTLSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDERLTAKNTDIKVDFGSGATYDDEHHSSTLSTRHYRAPEVILALGW 300
QY 319 SQPCDWSIGCIIIEYLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SQPCDWSIGCIIIEYLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360
QY 379 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLLEYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLLEYDPTQRTITLDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427

RESULT 7
US-10-109-854-4
; Sequence 4, Application US/10109854
; Publication No. US20020119548A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; FILE REFERENCE: CL000758DIV
; CURRENT APPLICATION NUMBER: US/10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR FILING DATE: 2000-08-24
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-109-854-4

Query Match 95.9%; Score 2312; DB 13; Length 427;
Best Local Similarity 100.0%; Pred. No. 7.3e-170;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 HYLEARSLNERDYRDRRYVDEYRNDYCEGYVPRHYRDIESGYRHCSSKSVRSRSPK 78
Db 1 HYLEARSLNERDYRDRRYVDEYRNDYCEGYVPRHYRDIESGYRHCSSKSVRSRSPK 60
QY 79 RKNRHCSSHQSRKSHRRKRSRSTEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 138
Db 61 RKNRHCSSHQSRKSHRRKRSRSTEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 120
QY 139 ECIDHGMGDMHVAVKIKNVGRYREARSEIQVLEHLNSTDPNSVRCVQMLEWFDHGH 198
Db 121 ECIDHGMGDMHVAVKIKNVGRYREARSEIQVLEHLNSTDPNSVRCVQMLEWFDHGH 180
QY 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQSFNHLNKLTHDLPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQSFNHLNKLTHDLPENILF 240
QY 259 VKSDYVVKYNSKMKRDERLTAKNTDIKVDFGSGATYDDEHHSSTLSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDERLTAKNTDIKVDFGSGATYDDEHHSSTLSTRHYRAPEVILALGW 300
QY 319 SQPCDWSIGCIIIEYLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SQPCDWSIGCIIIEYLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360
QY 379 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLLEYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLLEYDPTQRTITLDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427
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QY 259 VKSDYVVKYNSKMKRDERLTAKNTDIKVDFGSGATYDDEHHSSTLSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDERLTAKNTDIKVDFGSGATYDDEHHSSTLSTRHYRAPEVILALGW 300
QY 319 SQPCDWSIGCIIIEYLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SQPCDWSIGCIIIEYLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360
QY 379 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLLEYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLLEYDPTQRTITLDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427

RESULT 8
US-10-339-656-4
; Sequence 4, Application US/10339656
; Publication No. US20030134319A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339,656
; PRIOR FILING DATE: 2003-01-10
; PRIOR FILING DATE: 2002-04-01
; PRIOR FILING DATE: 2001-03-19
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-339-656-4

Query Match 95.9%; Score 2312; DB 14; Length 427;
Best Local Similarity 100.0%; Pred. No. 7.3e-170;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 HYLEARSLNERDYRDRRYVDEYRNDYCEGYVPRHYRDIESGYRHCSSKSVRSRSPK 78
Db 1 HYLEARSLNERDYRDRRYVDEYRNDYCEGYVPRHYRDIESGYRHCSSKSVRSRSPK 60
QY 79 RKNRHCSSHQSRKSHRRKRSRSTEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 138
Db 61 RKNRHCSSHQSRKSHRRKRSRSTEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 120
QY 139 ECIDHGMGDMHVAVKIKNVGRYREARSEIQVLEHLNSTDPNSVRCVQMLEWFDHGH 198
Db 121 ECIDHGMGDMHVAVKIKNVGRYREARSEIQVLEHLNSTDPNSVRCVQMLEWFDHGH 180
QY 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQSFNHLNKLTHDLPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQSFNHLNKLTHDLPENILF 240
QY 259 VKSDYVVKYNSKMKRDERLTAKNTDIKVDFGSGATYDDEHHSSTLSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDERLTAKNTDIKVDFGSGATYDDEHHSSTLSTRHYRAPEVILALGW 300
QY 319 SQPCDWSIGCIIIEYLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SQPCDWSIGCIIIEYLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360
QY 379 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLLEYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLLEYDPTQRTITLDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427
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Db 361 LDWDEHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLVRRMLEYDPTQRTILDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427
RESULT 9:
US-10-801-671-4
; Sequence 4, Application US/10801671
; Publication No. US20040152123A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; FILE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV-III
; CURRENT APPLICATION NUMBER: US/10/801,671
; CURRENT FILING DATE: 2004-03-17
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-801-671-4

Query Match 95.9%; Score 2312; DB 16; Length 427;
Best Local Similarity 100.0%; Pred. No. 7.3e-170;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 19 HYLEASLNEDRYDRRYVDEYNDYCEGVVPRHYHDIIESGYRIHCSKSSVRSRSPK 78
Db 1 HYLEASLNEDRYDRRYVDEYNDYCEGVVPRHYHDIIESGYRIHCSKSSVRSRSPK 60
QY 79 RKENRHCSSHQSRSKSHRRKRSRSIEDDEEGLICQSGDVLRYEIVDTLGGAGKVV 138
Db 61 RKENRHCSSHQSRSKSHRRKRSRSIEDDEEGLICQSGDVLRYEIVDTLGGAGKVV 120
QY 139 ECIDHGMGHHAVKIVKNGVRYEAREARSEIQVLEHLNSTDPNSVFCVQMLEWFDDHGH 198
Db 121 ECIDHGMGHHAVKIVKNGVRYEAREARSEIQVLEHLNSTDPNSVFCVQMLEWFDDHGH 180
QY 199 VCIVFELLGLSTYDFIKENSFLPQIDHIRMAYQICQSFNLFHNKLTHTDLKPNILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPQIDHIRMAYQICQSFNLFHNKLTHTDLKPNILF 240
QY 259 VKSDYVVKYNSKMKRDERTLKNTDIKVDFGSAFYDDEHSTLVSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDERTLKNTDIKVDFGSAFYDDEHSTLVSTRHYRAPEVILALGW 300
QY 319 SQPCDVMSIGCILIEYVLGTFVQTHDSKEHLAMMERILGPIPOHMIQTRKRYFHHNQ 378
Db 301 SQPCDVMSIGCILIEYVLGTFVQTHDSKEHLAMMERILGPIPOHMIQTRKRYFHHNQ 360
QY 379 LDWDEHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLVRRMLEYDPTQRTILDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLVRRMLEYDPTQRTILDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427

RESULT 10
US-09-905-999-25
; Sequence 25, Application US/09905999
; Patent No. US2002010671A1
; GENERAL INFORMATION:

; APPLICANT: ULLRICH, Axel
; APPLICANT: NAYLER, Oliver
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/09/905,999
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286
; PRIOR FILING DATE: 1996-12-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-905-999-25
Query Match 93.8%; Score 2261.5; DB 9; Length 481;
Best Local Similarity 93.5%; Pred. No. 6.5e-166;
Matches 420; Conservative 8; Mismatches 10; Indels 11; Gaps 2;
QY 8 SH-SVEEDTH-----PSHYLEARSLNERDYDRRYVDEYNDYCEGVVPRHYHDI 56
Db 33 SHSSTQENRCKPHQFKDSCHYLEARCLNERDYDRRYVDEYNDYCEGVVPRHYHDI 92
QY 57 IESGYRIHCSKSSVRSRSPKRNHRHCHSSHQSRSKSHRRKRSRSIEDDEEGLICQSG 116
Db 93 VESTYRIHCSKSSVRSRSPKRNHRPCASHQSHSKSHRRKRSRSIEDDEEGLICQSG 152
QY 117 DVLRAEYIVDTLGECAFGKVVCEIDHGMGHHAVKIVKNGVRYEAREARSEIQVLEHLN 176
Db 153 DVLRAEYIVDTLGECAFGKVVCEIDHGMGHHAVKIVKNGVRYEAREARSEIQVLEHLN 212
QY 177 STDPNSVFCVQMLEWFDDHGHVCIIVFELLGLSTYDFIKENSFLPQIDHIRMAYQICQ 236
Db 213 STDPNSVFCVQMLEWFDDHGHVCIIVFELLGLSTYDFIKENSFLPQIDHIRMAYQICQ 272
QY 237 SINFLHNKLTHTDLKPNILFVKSDYVVKYNSKMKRDERTLKNTDIKVDFGSAFYDDE 296
Db 273 SINFLHNKLTHTDLKPNILFVKSDYVVKYNSKMKRDERTLKNTDIKVDFGSAFYDDE 332
QY 297 HSTLVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYVLGTFVQTHDSKEHLAMMERI 356
Db 333 HSTLVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYVLGTFVQTHDSKEHLAMMERI 392
QY 357 LGPIPOHMIQTRKRYFHHNQDWDHSSAGRYVRRCKPLKEFMLCHDEEHEKLFDLV 416
Db 393 LGPIPOHMIQTRKRYFHHNQDWDHSSAGRYVRRCKPLKEFMLCHDEEHEKLFDLV 452
QY 417 RMLEVDPTQRTILDEALQHPFDLLKKK 445
Db 453 RMLEVDPTQRTILDEALQHPFDLLKKK 481
RESULT 11
US-10-267-502-355
; Sequence 355, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 355

[illegible]

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RESULT 14
US-09-810-671-5
; Sequence 5, Application US/09810671
; Publication No. US20020076783A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810,671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Human
US-09-810-671-5

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Search completed: August 2, 2005, 22:51:28
Job time : 161 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw.model

Run on: August 2, 2005, 22:29:12 ; Search time 43 Seconds
(without alignments)
772.531 Million cell updates/sec

Title: US-10-801-671-2
Perfect score: 2410
Sequence: 1 MCIPLEASHSVEDTHPSHY.....QRITLDEALQHPFDLLKKX 445

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2410	100.0	445	4	US-09-810-671-2
2	2410	100.0	445	4	US-10-109-854-2
3	2410	100.0	445	4	US-10-339-856-2
4	2312	95.9	427	4	US-09-810-671-4
5	2312	95.9	427	4	US-10-109-854-4
6	2312	95.9	427	4	US-10-339-856-4
7	2261.5	93.8	481	4	US-09-905-999-25
8	2117.5	87.9	451	2	US-09-016-000-3
9	1887	78.3	429	4	US-09-810-671-5
10	1887	78.3	429	4	US-10-109-854-5
11	1887	78.3	429	4	US-10-339-856-5
12	1887	78.3	484	3	US-09-457-0408-12
13	1824	75.7	483	4	US-09-905-999-20
14	1427.5	59.2	499	4	US-09-905-999-21
15	1417	58.8	499	3	US-09-457-0408-13
16	1321	54.8	490	4	US-09-976-594-314
17	1321	54.8	508	4	US-09-949-016-8519
18	1321	54.8	508	4	US-09-949-016-8520
19	1310	54.4	490	4	US-09-905-999-23
20	1222	50.7	517	3	US-09-457-0408-14
21	695	28.8	736	3	US-09-457-0408-26
22	550.5	22.8	527	3	US-09-659-166-2
23	546.5	22.7	528	2	US-08-802-466-2
24	546.5	22.7	528	3	US-09-350-484-2
25	544.5	22.6	568	2	US-08-835-170-4
26	544.5	22.6	568	3	US-09-359-257-4
27	544.5	22.6	568	3	US-09-371-674-4

28	544.5	22.6	588	2	US-08-835-170-2	Sequence 2, Appli
29	544.5	22.6	588	3	US-09-359-257-2	Sequence 2, Appli
30	544.5	22.6	588	3	US-09-371-674-2	Sequence 2, Appli
31	523	21.7	508	2	US-08-818-024-3	Sequence 3, Appli
32	523	21.7	508	3	US-09-334-775A-3	Sequence 3, Appli
33	517	21.5	620	3	US-09-126-646-2	Sequence 2, Appli
34	517	21.5	620	3	US-09-421-491-2	Sequence 2, Appli
35	505	21.0	539	2	US-08-818-024-4	Sequence 4, Appli
36	505	21.0	539	3	US-09-334-775A-4	Sequence 4, Appli
37	505	21.0	539	3	US-08-789-275-6	Sequence 6, Appli
38	478.5	19.9	557	3	US-09-027-064-2	Sequence 2, Appli
39	478.5	19.9	557	3	US-09-271-815-2	Sequence 2, Appli
40	472.5	19.6	763	2	US-08-677-862-2	Sequence 2, Appli
41	472.5	19.6	763	2	US-09-252-571-2	Sequence 2, Appli
42	472.5	19.6	763	3	US-09-434-065-2	Sequence 2, Appli
43	472.5	19.6	763	3	US-08-789-275-4	Sequence 4, Appli
44	472.5	19.6	763	3	US-08-789-275-5	Sequence 5, Appli
45	433	18.0	1216	4	US-09-949-016-9461	Sequence 9461, Ap

ALIGNMENTS

RESULT 1
US-09-810-671-2
; Sequence 2, Application US/09810671
; Patent No. 6455291
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810, 671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Human
US-09-810-671-2

Query Match				100.0%;	Score 2410;	DB 4;	Length 445;
Best Local Similarity				100.0%;	Pred. No. 5.9e-218;		
Matches				445;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
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Db	1	MCIPLEASHSVEDTHPSHYLEARS	1	MCIPLEASHSVEDTHPSHYLEARS	1	MCIPLEASHSVEDTHPSHYLEARS	1
Qy	61	YRTHCSKSSVRSRRSPKRRKRSHRS	61	YRTHCSKSSVRSRRSPKRRKRSHRS	61	YRTHCSKSSVRSRRSPKRRKRSHRS	61
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Qy	121	ARYEIVDTLGEAGFKVCEIDHGM	121	ARYEIVDTLGEAGFKVCEIDHGM	121	ARYEIVDTLGEAGFKVCEIDHGM	121
Db	121	ARYEIVDTLGEAGFKVCEIDHGM	121	ARYEIVDTLGEAGFKVCEIDHGM	121	ARYEIVDTLGEAGFKVCEIDHGM	121
Qy	181	NSVFRVCQMLEWFDHGHVCI	181	NSVFRVCQMLEWFDHGHVCI	181	NSVFRVCQMLEWFDHGHVCI	181
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Db	301	LVSTRHRAPEVILALGWSQ	301	LVSTRHRAPEVILALGWSQ	301	LVSTRHRAPEVILALGWSQ	301
Qy	361	PQMIQKTRKRYPHNQLDWD	361	PQMIQKTRKRYPHNQLDWD	361	PQMIQKTRKRYPHNQLDWD	361
Db	361	PQMIQKTRKRYPHNQLDWD	361	PQMIQKTRKRYPHNQLDWD	361	PQMIQKTRKRYPHNQLDWD	361

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; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339,656
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-339-656-2

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Query Match	100.0%	Score 2410;	DB 4;	Length 445;
Best Local Similarity	100.0%;	Pred. No. 5.9e-218;		
Matches 445; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;
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Dd	1	MCIPLEASHSVSDTHPSHYLEARSINERDVRDRYVDVEYNDYCEGVPRHYHRDIESG	60	
Qy	61	YRHCSSKSVRRRRSPKTKRNHCHSCSQRSKSRRKRKSRIEDDESGHLICQSGDWLR	120	

61	YR	IHCSSVRRGRSSSPKPKRNHRHCSSHQSRSSKSHRRKRSKSL	EDDEEGHLLCQSDVVR	120
121	AR	YIEVDTLCEGAFGKVKVECDHGMGDMHVAVKIKVNGRYREAAARSEIQVLEHLNSTDP	180	
121	AR	YIEVDTLCEGAFGKVKVECDHGMGDMHVAVKIKVNGRYREAAARSEIQVLEHLNSTDP	180	
181	NS	VRCVQMLEWPDHGHHCIVFPELLGLSTYDFIKENSELPQIDHIRMAYQIQCSINF	240	
181	NS	VRCVQMLEWPDHGHHCIVFPELLGLSTYDFIKENSELPQIDHIRMAYQIQCSINF	240	
241	LH	NKLTHTDLPKENILFVKSDYVKYNSKMKRDERTLKNTDIKVWDFGSATYDDEHHS	300	
241	LH	NKLTHTDLPKENILFVKSDYVKYNSKMKRDERTLKNTDIKVWDFGSATYDDEHHS	300	
301	LV	STRHYRAPEVILALGWSQPCDWSIGCILLIYYLIGFTVFQTHDSKEHLAMMERILGPI	360	
301	LV	STRHYRAPEVILALGWSQPCDWSIGCILLIYYLIGFTVFQTHDSKEHLAMMERILGPI	360	
361	PO	HMIQKTRKRYFHHNQLDWDHSSAGRYVRRRCCKPLKEFMLCHDDEBEKFLDLYRRML	420	
361	PO	HMIQKTRKRYFHHNQLDWDHSSAGRYVRRRCCKPLKEFMLCHDDEBEKFLDLYRRML	420	
421	EY	PTQRITLDEALQHPFFFOLLKKK	445	
421	EY	PTQRITLDEALQHPFFFOLLKKK	445	

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RESULT 4
US-09-810-671-4
; Sequence 4, Application US/09810671
; Patent No. 6455291
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810.671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4

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; LENGTH: 427
; TYPE: PRT
; ORGANISM: Human
US-09-810-671-4

Query Match      95.9%; Score 2312; DB 4; Length 427;
Best Local Similarity 100.0%; Pred. No. 9.1e-209;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 HYLEARSLNERDYDRRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSVSRSSPK 78
Db 1 HYLEARSLNERDYDRRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSVSRSSPK 60

Qy 79 RKNRHCSHQSRKSHRRKRKRSIEDDEGHLCQSGDVLRYAYEIVDTLGEAGFKV 138
Db 61 RKNRHCSHQSRKSHRRKRKRSIEDDEGHLCQSGDVLRYAYEIVDTLGEAGFKV 120

Qy 139 ECIDHGMGDMHVAVKIVKNGVRYREARSEIQVLEHLNSTDPNSVPRCVQMLEWFDHGH 198
Db 121 ECIDHGMGDMHVAVKIVKNGVRYREARSEIQVLEHLNSTDPNSVPRCVQMLEWFDHGH 180

Qy 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNHLHNKLTHTDLKPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNHLHNKLTHTDLKPENILF 240

Qy 259 VKSDYVVKYNSKMKRDBERTLKNITDIKVDFGSATYDDEHSTLSTVSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDBERTLKNITDIKVDFGSATYDDEHSTLSTVSTRHYRAPEVILALGW 300

Qy 319 SQPCDWSIGCIIIEYVLTFTQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SQPCDWSIGCIIIEYVLTFTQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360

Qy 379 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQHPF 420

Qy 439 FDLKKK 445
Db 421 FDLKKK 427

RESULT 6
US-10-339-656-4
; Sequence 4, Application US/10339656
; Patent No. 6733978
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339,656
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-339-656-4

Query Match      95.9%; Score 2312; DB 4; Length 427;
Best Local Similarity 100.0%; Pred. No. 9.1e-209;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 HYLEARSLNERDYDRRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSVSRSSPK 78
Db 1 HYLEARSLNERDYDRRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSVSRSSPK 60

Qy 79 RKNRHCSHQSRKSHRRKRKRSIEDDEGHLCQSGDVLRYAYEIVDTLGEAGFKV 138
Db 61 RKNRHCSHQSRKSHRRKRKRSIEDDEGHLCQSGDVLRYAYEIVDTLGEAGFKV 120

Qy 139 ECIDHGMGDMHVAVKIVKNGVRYREARSEIQVLEHLNSTDPNSVPRCVQMLEWFDHGH 198
Db 121 ECIDHGMGDMHVAVKIVKNGVRYREARSEIQVLEHLNSTDPNSVPRCVQMLEWFDHGH 180

Qy 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNHLHNKLTHTDLKPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNHLHNKLTHTDLKPENILF 240

Qy 259 VKSDYVVKYNSKMKRDBERTLKNITDIKVDFGSATYDDEHSTLSTVSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDBERTLKNITDIKVDFGSATYDDEHSTLSTVSTRHYRAPEVILALGW 300

Qy 319 SQPCDWSIGCIIIEYVLTFTQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SQPCDWSIGCIIIEYVLTFTQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360

Qy 379 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQHPF 420

Qy 439 FDLKKK 445
Db 421 FDLKKK 427

RESULT 5
US-10-109-854-4
; Sequence 4, Application US/10109854
; Patent No. 6630337
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000758DIV
; CURRENT APPLICATION NUMBER: US/10/109,854
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-109-854-4

Query Match      95.9%; Score 2312; DB 4; Length 427;
Best Local Similarity 100.0%; Pred. No. 9.1e-209;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 HYLEARSLNERDYDRRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSVSRSSPK 78
Db 1 HYLEARSLNERDYDRRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSVSRSSPK 60
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Db	181	VCIVFELGLSYDFIKENSLFPFOIDHQRWAYQICQINFLHKNLTHTDLPENILF	240
Qy	259	VKSDYVVKYNSKWKDERLTAKNTDIAKVDFGATYDDDEHSTLVSTRHYRAPEVILALGW	318
Db	241	VKSDYVVKYNSKWKDERLTAKNTDIAKVDFGATYDDDEHSTLVSTRHYRAPEVILALGW	300
Qy	319	SQPCDWSIGCTLIIEYLGFTVFOHDSKEHLAMMERILGPIDQMIQKTRKRYFHQ	378
Db	301	SQPCDWSIGCTLIIEYLGFTVFOHDSKEHLAMMERILGPIDQMIQKTRKRYFHQ	360
Qy	379	LQWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQHPF	438
Db	361	LQWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQHPF	420
Qy	439	FDLLKKK 445	
Db	421	FDLLKKK 427	
RESULT 7			
US-09-905-999-25			
; Sequence 25, Application US/09905999			
; Patent No. 6797513			
; GENERAL INFORMATION:			
; APPLICANT: NAYLER, Oliver			
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS			
; FILE REFERENCE: 038602/0431			
; CURRENT APPLICATION NUMBER: US/09/905,999			
; CURRENT FILING DATE: 2001-07-17			
; PRIOR FILING DATE: 1999-07-31			
; PRIOR APPLICATION NUMBER: PCT/IB97/00946			
; PRIOR FILING DATE: 1997-06-17			
; PRIOR APPLICATION NUMBER: US 08/877,150			
; PRIOR FILING DATE: 1997-06-17			
; PRIOR APPLICATION NUMBER: US 60/034,286			
; PRIOR FILING DATE: 1996-12-19			
; NUMBER OF SEQ ID NOS: 26			
; SOFTWARE: Patent in version 3.0			
; SEQ ID NO 25			
; TYPE: PRT			
; LENGTH: 481			
; ORGANISM: Mus musculus			
US-09-905-999-25			
Query Match 93.8%; Score 2261.5; DB 4; Length 481;			
Best Local Similarity 93.5%; Pred. No. 6e-204;			
Matches 420; Conservative 8; Mismatches 10; Indels 11; Gaps 2;			
Qy	8	SH-SVEEDTH-----PSHYLEARSLNERDYDRRRVYVYRNDYCEGYVPRHYHRD	56
Db	33	SHSTQENRCKPHQKSDCHYLEARSLNERDYDRRRVYVYRNDYCEGYVPRHYHRD	92
Qy	57	IESGYRIHCKSSVRSRRSPKRRNRCSSHOSKSRKRSRSTIEDDEGHLICQSG	116
Db	93	VESTYRIHCKSSVRSRRSPKRRNRCPCASHQSHSKSRKRSRSTIEDDEGHLICQSG	152
Qy	117	DVLARVEIVDTLGEAGFGKVEICIDHGMGMHVAVKIVKNGRYREAAARSEIQVLEHLN	176
Db	153	DVLARVEIVDTLGEAGFGKVEICIDHGMGMHVAVKIVKNGRYREAAARSEIQVLEHLN	212
Qy	177	STDNSVFRVCQMLEWFDHGHVCIVFELGLSTYDFIKENSLFPFOIDHQRWAYQICQ	236
Db	213	STDNSVFRVCQMLEWFDHGHVCIVFELGLSTYDFIKENSLFPFOIDHQRWAYQICQ	272
Qy	237	SINFLHKNLTHTDLPENILFKVSDYVVKYNSKWKDERLTAKNTDIAKVDFGATYDD	296
Db	273	SINFLHKNLTHTDLPENILFKVSDYVVKYNSKWKDERLTAKNTDIAKVDFGATYDD	332
Qy	297	HHSTLVSTRHYRAPEVILALGWSQPCDWSIGCTLIIEYLGFTVFOHDSKEHLAMMERI	356
US-09-016-000-3			
; Sequence 3, Application US/09016000			
; Patent No. 5962232			
; GENERAL INFORMATION:			
; APPLICANT: Hillman, Jennifer L.			
; APPLICANT: Lal, Preeti			
; APPLICANT: Bandman, Olga			
; APPLICANT: Akerblom, Ingrid E.			
; APPLICANT: Shah, Purvi			
; APPLICANT: Corley, Neil C.			
; APPLICANT: Guegler, Karl G.			
; TITLE OF INVENTION: PROTEIN KINASE MOLECULES			
; NUMBER OF SEQUENCES: 12			
; CORRESPONDENCE ADDRESS:			
; STREET: 3174 Porter Drive			
; CITY: Palo Alto			
; STATE: CA			
; COUNTRY: USA			
; ZIP: 94304			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Diskette			
; OPERATING SYSTEM: DOS			
; SOFTWARE: FASTSEQ for Windows Version 2.0			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/09/016,000			
; FILING DATE: HERewith			
; CLASSIFICATION:			
; PRIOR APPLICATION DATA:			
; APPLICATION NUMBER:			
; FILING DATE:			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Billings, Lucy J			
; REGISTRATION NUMBER: 36,749			
; REFERENCE/DOCKET NUMBER: PF-0465 US			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: 650-855-0555			
; TELEFAX: 650-845-4166			
; TELEX:			
; INFORMATION FOR SEQ ID NO: 3:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 451 amino acids			
; TYPE: amino acid			
; STRANDEDNESS: single			
; TOPOLOGY: linear			
; IMMEDIATE SOURCE:			
; LIBRARY: NEUTFMT01			
; CLONE: 339963			
US-09-016-000-3			
Query Match 87.9%; Score 2117.5; DB 2; Length 451;			
Best Local Similarity 88.9%; Pred. No. 1.9e-190;			
Matches 399; Conservative 3; Mismatches 6; Indels 41; Gaps 3;			
Qy	8	SH-SVEEDTH-----PSHYLEARSLNERDYDRRRVYVYRNDYCEGYVPRHYHRD	56
Db	33	SHSTQENRCKPHQKSDCHYLEARSLNERDYDRRRVYVYRNDYCEGYVPRHYHRD	92
Qy	57	IESGYRIHCKSSVRSRRSPKRRNRCSSHOSKSRKRSRSTIEDDEGHLICQSG	116

Db 93 IESGYRIHCSKSSVRSRRSPKRNPHCSHQSR----- 128
QY 117 DVLARAYEIVDTLGEAGFKVCEIDHGMGMHVAKIVKNGRYREARSEIQVLEHLN 176
Db 129 -----MKSVDTLGEGAFKVVCEIDHGMGMHVAKIVKNGRYREARSEIQVLEHLN 182
QY 177 STDPNSVRCVQMLEFDDHHGHVCIIVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQ 236
Db 183 STDPNSVRCVQMLEFDDHHGHVCIIVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQ 242
QY 237 SINFLHHNKLTHTDLPENILFVKSDYVVKYNSKMKRDERTLKNITDKVDFGSAFYDDE 296
Db 243 SINFLHHNKLTHTDLPENILFVKSDYVVKYNSKMKRDERTLKNITDKVDFGSAFYDDE 302
QY 297 HHSTLVSTRHYRAPEVILAGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERI 356
Db 303 HHSTLVSTRHYRAPEVILAGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERI 362
QY 357 LGPIPOHMIQTRKRYFHHNQLDWDHSHSAGRYVRRCKPLKEFMLCHDEEHEKLFDLV 416
Db 363 LGPIPOHMIQTRKRYFHHNQLDWDHSHSAGRYVRRCKPLKEFMLCHDEEHEKLFDLV 422
QY 417 RRMLEYDPTQITLDEALQHPFDLLKKK 445
Db 423 RRMLEYDPTQITLDEALQHPFDLLKKK 451

RESULT 9
US-09-810-671-5
; Sequence 5, Application US/09810671
; Patent No. 6455291
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000758
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Human
US-09-810-671-5

Query Match 78.3%; Score 1887; DB 4; Length 429;
Best Local Similarity 82.1%; Pred. No. 7.9e-169;
Matches 352; Conservative 30; Mismatches 45; Indels 2; Gaps 2;
QY 18 SHYLEARSINERDYYRRYVDEYRNDYCEGYVPRHYHRDIESGYRIHCSKSSVRSRRSSP 77
Db 1 SHYLESRSINEKDYHSRRYIDEYRNDYTQCEPGRQDRHESRYQNHSSKSSGSRSSY 60
QY 78 KRK-RNRHCSSH-QSRKSHRRKRSRSDDEEGHLICQSGDVLRYARYEIVDTLGEAGF 135
Db 61 KSKHRIHSTSHRRSHGSHRRKRTSRVEDDEGHLICQSGDVLRYARYEIVDTLGEAGF 120
QY 136 KVECIDHGMGMHVAKIVKNGRYREARSEIQVLEHLNSTDPNSVRCVQMLEFDDH 195
Db 121 KVECIDHKGAGRHVAKIVKNDRYCEAARSEIQVLEHLNTTDPNSTPRCVQMLEFHEH 180
QY 196 HGHVCTVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQSNFLHHNKLTHTDLPEN 255
Db 181 HGHICIVPELLGLSTYDFIKENGFLPRLDHIROMAYQICKSVNFLHNSKLTHTDLPEN 240
QY 256 ILFVKSDDYVVKYNSKMKRDERTLKNITDKVDFGSAFYDDEHSTLVSTRHYRAPEVILA 315
Db 241 ILFVQSDYTEAYNPVKIKRDERTLINPDIKVDFGSAFYDDEHSTLVSTRHYRAPEVILA 300
QY 136 KVECIDHGMGMHVAKIVKNGRYREARSEIQVLEHLNSTDPNSVRCVQMLEFDDH 195
Db 121 KVECIDHKGAGRHVAKIVKNDRYCEAARSEIQVLEHLNTTDPNSTPRCVQMLEFHEH 180
QY 196 HGHVCTVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQSNFLHHNKLTHTDLPEN 255
Db 181 HGHICIVPELLGLSTYDFIKENGFLPRLDHIROMAYQICKSVNFLHNSKLTHTDLPEN 240
QY 256 ILFVKSDDYVVKYNSKMKRDERTLKNITDKVDFGSAFYDDEHSTLVSTRHYRAPEVILA 315
Db 241 ILFVQSDYTEAYNPVKIKRDERTLINPDIKVDFGSAFYDDEHSTLVSTRHYRAPEVILA 300
QY 316 LGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFH 375

RESULT 11

Db 301 LGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFH 360
QY 376 HNQLDWDHSHSAGRYVRRCKPLKEFMLCHDEEHEKLPDLVRRMLEYDPTQITLDEALQ 435
Db 361 HDRLDWDHSHSAGRYVRRCKPLKEFMLSQDVEHERLFDLIQKMLEYDPAKRITLREALK 420
QY 436 HPFFDILLKK 444
Db 421 HPFFDILLKK 429

RESULT 10
US-10-109-854-5
; Sequence 5, Application US/10109854
; Patent No. 6630337
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000758DIV
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: US/10/109,854
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-109-854-5

Query Match 78.3%; Score 1887; DB 4; Length 429;
Best Local Similarity 82.1%; Pred. No. 7.9e-169;
Matches 352; Conservative 30; Mismatches 45; Indels 2; Gaps 2;
QY 18 SHYLEARSINERDYYRRYVDEYRNDYCEGYVPRHYHRDIESGYRIHCSKSSVRSRRSSP 77
Db 1 SHYLESRSINEKDYHSRRYIDEYRNDYTQCEPGRQDRHESRYQNHSSKSSGSRSSY 60
QY 78 KRK-RNRHCSSH-QSRKSHRRKRSRSDDEEGHLICQSGDVLRYARYEIVDTLGEAGF 135
Db 61 KSKHRIHSTSHRRSHGSHRRKRTSRVEDDEGHLICQSGDVLRYARYEIVDTLGEAGF 120
QY 136 KVECIDHGMGMHVAKIVKNGRYREARSEIQVLEHLNSTDPNSVRCVQMLEFDDH 195
Db 121 KVECIDHKGAGRHVAKIVKNDRYCEAARSEIQVLEHLNTTDPNSTPRCVQMLEFHEH 180
QY 196 HGHVCTVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQSNFLHHNKLTHTDLPEN 255
Db 181 HGHICIVPELLGLSTYDFIKENGFLPRLDHIROMAYQICKSVNFLHNSKLTHTDLPEN 240
QY 256 ILFVKSDDYVVKYNSKMKRDERTLKNITDKVDFGSAFYDDEHSTLVSTRHYRAPEVILA 315
Db 241 ILFVQSDYTEAYNPVKIKRDERTLINPDIKVDFGSAFYDDEHSTLVSTRHYRAPEVILA 300
QY 316 LGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFH 375
Db 301 LGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFH 360
QY 376 HNQLDWDHSHSAGRYVRRCKPLKEFMLCHDEEHEKLPDLVRRMLEYDPTQITLDEALQ 435
Db 361 HDRLDWDHSHSAGRYVRRCKPLKEFMLSQDVEHERLFDLIQKMLEYDPAKRITLREALK 420
QY 436 HPFFDILLKK 444
Db 421 HPFFDILLKK 429

US-10-339-656-5
; Sequence 5, Application US/10339656
; Patent No. 6733978
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339,656
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-339-656-5

Query Match 78.3%; Score 1887; DB 4; Length 429;
Best Local Similarity 82.1%; Pred. No. 7.9e-169;
Matches 352; Conservative 30; Mismatches 45; Indels 2; Gaps 2;
QY 18 SHYLEARSLNERDYRRYVDEYRNDYCEGYVPRHVRDIESGYRTHCSKSSVRSRSP 77
Db 1 SHYLESRSINEKDYHRRYIDEYRNDYTCGCEPGRQDRHESRYQNHSSKSGRGRSSY 60
QY 78 KRK-RNRHCSSH-QSRKSHRRKRRSIEDDEGHLCOSGDVLRARYEIVDTLGEAGF 135
Db 61 KSKGRIHHSSTSHRRSHGSKSHRRKTRTSVEDDEGHLCOSGDVLSARYEIVDTLGEAGF 120
QY 136 KVECIDHGMGMHVAVKIVNNGVRYREARSEIQVLEHNSLTDNSVRCVQMLEWFDH 195
Db 121 KVECIDHKGAGRHVAVKIVNVDYCEAARSEIQVLEHNTTDPNSTPRCVQMLEWFDH 180
QY 196 HGHVCIVFELLGLSTYDFIKENSLFPQIDHIRMAYQICQSNFLHNNKLTHTDLKPN 255
Db 181 HGHICIVFELLGLSTYDFIKENGLFPRLDHRKWAYQICKSVNFLHNNKLTHTDLKPN 240
QY 256 ILFVKSQDVVYKNSKMRDERTLNKTDIKVDFGSGATYDDEHSTLVSTRHYRAPEVILA 315
Db 241 ILFVQSDYTEAYNPKIKRDETLINPDIKVDFGSGATYDDEHSTLVSTRHYRAPEVILA 300
QY 316 LGWSQPCDVWSIGCILIEYVLTGFTVQTHDSKEHLAMMERILGPQHMIOKTRKRYPH 375
Db 301 LGWSQPCDVWSIGCILIEYVLTGFTVQTHDSKEHLAMMERILGPQHMIOKTRKRYPH 360
QY 376 HNOLDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQ 435
Db 361 HRLDWDDEHSSAGRYVSRACKPLKEFMLSQDVEHERLFDLIQKMLEYDPKAKTITLREALK 420
QY 436 HPFFDLKK 444
Db 421 HPFFDLKK 429

RESULT 12
US-09-457-040B-12
; Sequence 12, Application US/09457040B
; Patent No. 6387641
; GENERAL INFORMATION:
; APPLICANT: Vertex Pharmaceuticals Incorporated
; APPLICANT: Bellon, Steve
; TITLE OF INVENTION: Crystallized P38 Complexes
; FILE REFERENCE: VPI/98-14
; CURRENT APPLICATION NUMBER: US/09/457,040B
; CURRENT FILING DATE: 1999-12-08

; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Human
US-09-457-040B-12
Query Match 78.3%; Score 1887; DB 3; Length 484;
Best Local Similarity 82.1%; Pred. No. 9.4e-169;
Matches 352; Conservative 30; Mismatches 45; Indels 2; Gaps 2;
QY 18 SHYLEARSLNERDYRRYVDEYRNDYCEGYVPRHVRDIESGYRTHCSKSSVRSRSP 77
Db 54 SHYLESRSINEKDYHRRYIDEYRNDYTCGCEPGRQDRHESRYQNHSSKSGRGRSSY 113
QY 78 KRK-RNRHCSSH-QSRKSHRRKRRSIEDDEGHLCOSGDVLRARYEIVDTLGEAGF 135
Db 114 KSKGRIHHSSTSHRRSHGSKSHRRKTRTSVEDDEGHLCOSGDVLSARYEIVDTLGEAGF 173
QY 136 KVECIDHGMGMHVAVKIVNNGVRYREARSEIQVLEHNSLTDNSVRCVQMLEWFDH 195
Db 174 KVECIDHKGAGRHVAVKIVNVDYCEAARSEIQVLEHNTTDPNSTPRCVQMLEWFDH 233
QY 196 HGHVCIVFELLGLSTYDFIKENSLFPQIDHIRMAYQICQSNFLHNNKLTHTDLKPN 255
Db 234 HGHICIVFELLGLSTYDFIKENGLFPRLDHRKWAYQICKSVNFLHNNKLTHTDLKPN 293
QY 256 ILFVKSQDVVYKNSKMRDERTLNKTDIKVDFGSGATYDDEHSTLVSTRHYRAPEVILA 315
Db 294 ILFVQSDYTEAYNPKIKRDETLINPDIKVDFGSGATYDDEHSTLVSTRHYRAPEVILA 353
QY 316 LGWSQPCDVWSIGCILIEYVLTGFTVQTHDSKEHLAMMERILGPQHMIOKTRKRYPH 375
Db 354 LGWSQPCDVWSIGCILIEYVLTGFTVQTHDSKEHLAMMERILGPQHMIOKTRKRYPH 413
QY 376 HNOLDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQ 435
Db 414 HRLDWDDEHSSAGRYVSRACKPLKEFMLSQDVEHERLFDLIQKMLEYDPKAKTITLREALK 473
QY 436 HPFFDLKK 444
Db 474 HPFFDLKK 482

RESULT 13
US-09-905-999-20
; Sequence 20, Application US/09905999
; Patent No. 6797513
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, Axel
; APPLICANT: NAVLER, Oliver
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/09/905,999
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286
; PRIOR FILING DATE: 1996-12-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 483
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-905-999-20
Query Match 75.7%; Score 1824; DB 4; Length 483;

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RESULT 15
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; Sequence 13, Application US/09457040B
; Patent No. 6387641
; GENERAL INFORMATION:
; APPLICANT: Vertex Pharmaceuticals Incorporated
; APPLICANT: Bellon, Steve

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; FILE REFERENCE: WP1798-14
; CURRENT APPLICATION NUMBER: US/09/457,040B
; CURRENT FILING DATE: 1999-12-08
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
; LENGTH: 499
; TYPE: PRT
; ORGANISM: Human
; US-09-457-040B-13

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Search completed: August 2, 2005, 22:39:25
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 3, 2005, 18:57:31 ; Search time 862.014 Seconds
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Title: US-10-801-671-1_COPY_33_1367

Perfect score: 1335

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Gapop 10.0 , Gapext 1.0

Searched: 7287783 seqs, 3236178273 residues

Total number of hits satisfying chosen parameters: 14575566

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- Published Applications NA:*
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 - 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
 - 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
 - 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
 - 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
 - 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
 - 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1335	100.0	2354	13	US-10-109-854-1
3	1335	100.0	2354	15	US-10-339-656-1
4	1335	100.0	2354	19	US-10-801-671-1
5	1283	96.1	1446	18	US-10-267-502-135
6	1094.2	82.0	1446	18	US-10-267-502-138
7	1094.2	82.0	1549	9	US-09-905-999-26

8	1094.2	82.0	1549	20	US-10-825-177-26	Sequence 26, Appl
9	968.4	72.5	3040	18	US-10-425-114-26812	Sequence 26212, A
10	968.4	72.5	4035	18	US-10-425-114-26852	Sequence 26852, A
11	813.2	60.9	1455	17	US-10-267-502-136	Sequence 136, App
12	810	60.7	1834	17	US-10-154-708-3	Sequence 3, Appl1
13	810	60.7	1834	19	US-10-755-889-1	Sequence 1, Appl1
14	810	60.7	1834	21	US-10-956-157-1175	Sequence 1175, Ap
15	768.8	57.6	1452	18	US-10-267-502-139	Sequence 139, App
16	765.4	57.3	906	18	US-10-267-502-140	Sequence 140, App
17	746	55.9	1400	21	US-10-956-157-6410	Sequence 6410, Ap
18	642.8	48.1	1743	17	US-10-154-708-10	Sequence 10, Appl
19	640.6	48.0	1664	21	US-10-956-157-4213	Sequence 4213, Ap
20	638.4	47.8	2254	10	US-09-919-039-238	Sequence 238, App
21	638.4	47.8	2516	9	US-09-925-298-121	Sequence 121, App
22	638.4	47.8	2516	14	US-10-102-806-121	Sequence 121, App
23	631.6	47.3	1400	21	US-10-956-157-9448	Sequence 9448, Ap
24	499.6	37.4	1500	10	US-09-790-852-2	Sequence 2, Appl1
25	499.6	37.4	1973	9	US-09-962-436-266	Sequence 266, App
26	499.6	37.4	1973	9	US-09-880-107-2190	Sequence 2190, Ap
27	499.6	37.4	1973	20	US-10-737-450-131	Sequence 131, App
28	499.6	37.4	1973	21	US-10-843-641A-2725	Sequence 2725, Ap
29	481.2	36.0	1538	9	US-09-905-999-22	Sequence 22, Appl
30	481.2	36.0	1538	20	US-10-825-177-22	Sequence 22, Appl
31	464.4	34.8	1296	18	US-10-182-243-16	Sequence 16, Appl
32	464.4	34.8	1628	18	US-10-425-114-26266	Sequence 26266, A
33	461.6	34.6	1026	18	US-10-267-502-133	Sequence 133, App
34	458.6	34.4	1885	17	US-10-439-703-89	Sequence 89, Appl
35	454.8	34.1	1787	9	US-09-905-999-24	Sequence 24, Appl
36	454.8	34.1	1787	20	US-10-825-177-24	Sequence 24, Appl
37	453.2	33.9	1473	18	US-10-267-502-137	Sequence 137, App
38	432.4	32.4	1473	18	US-10-267-502-134	Sequence 134, App
39	432.4	32.4	1762	17	US-10-305-720-1439	Sequence 1439, Ap
40	430.8	32.3	2505	17	US-10-108-260A-2256	Sequence 2256, Ap
41	429.2	32.1	2621	17	US-10-104-047-656	Sequence 656, App
42	394.4	29.5	1400	21	US-10-956-157-9281	Sequence 9281, Ap
43	394.4	29.5	3173	21	US-10-956-157-4046	Sequence 4046, Ap
44	377.4	28.3	1181	18	US-10-425-114-16170	Sequence 16170, A
45	360.2	27.0	1456	18	US-10-641-643-699	Sequence 699, App

ALIGNMENTS

RESULT 1

US-09-810-671-1
; Sequence 1, Application US/09810671
; Publication No. US20020076783A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810, 671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2354
; TYPE: DNA
; ORGANISM: Human
US-09-810-671-1

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Gaps	0;						
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Qy 481 TACCGTGAAGCAGCTCGTTGAGAAATCCAAAGTATTAGACACCTTAAATAGTACTGATCC 540
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; Sequence 1, Application US/10109854
; Publication No. US20020119548A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CLO00758DIV
; CURRENT APPLICATION NUMBER: US/10109,854
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2354
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-109-854-1

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 1335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1293 GAATATGATCCAACTCAAGAAATTTACCTTGGATGAACATGCGAGCATCTTCTTTTGAC 1352
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; Sequence 1, Application US/10339656
; Publication No. US20030134319A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339,656
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; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2354
; TYPE: DNA
; ORGANISM: Homo sapien
; US-10-339-656-1
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Query Match 100.0%; Score 1335; DB 15; Length 2354;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ATGTGATCCCTCTTGAAGCTTCGCACTCTGTGTTGAAGAGACACTCATCCAGTCAATTAT 60
Db |||
Qy 33 ATGTGATCCCTCTTGAAGCTTCGCACTCTGTGTTGAAGAGACACTCATCCAGTCAATTAT 92
Db |||
Qy 61 TTAGAAGCAAGTCTCTTGAATGAGCGAGATTATCGGACCGGAGATAGCTTGACGAATAC 120
Db |||
Qy 93 TTAGAAGCAAGTCTCTTGAATGAGCGAGATTATCGGACCGGAGATAGCTTGACGAATAC 152
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Qy 121 AGCAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGAGACATTGAAAGCGGG 180
Db |||
Qy 153 AGCAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGAGACATTGAAAGCGGG 212
Db |||
Qy 181 TATCGAATCCACTGCACTAAATCTTCAGTCCGAGCAGGAGAGACAGTCTCTAAAGGAAG 240
Db |||
Qy 213 TATCGAATCCACTGCACTAAATCTTCAGTCCGAGCAGGAGAGACAGTCTCTAAAGGAAG 272
Qy 241 CGCAATAGACACTGTTCAAGTCACTAGTCACTGATCTGTCAAAGTGGAGAGCTTCTAAGA 300
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Qy 273 CGCAATAGACACTGTTCAAGTCACTAGTCACTGATCTGTCAAAGTGGAGAGCTTCTAAGA 332
Qy 301 AGCAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCTTCTAAGA 360
Db |||
Qy 333 AGCAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCTTCTAAGA 392
Qy 361 GCAAGATATGAATTCGTGGACACTTTTGGGTGAAGAGGACCTTTGGCAAAAGTTGTAGAGTC 420
Db |||
Qy 393 GCAAGATATGAATTCGTGGACACTTTTGGGTGAAGAGGACCTTTGGCAAAAGTTGTAGAGTC 452
Qy 421 ATTGATCATGGCATGGATGGCATGGCATGGCATGGCATGGCAAAATCGTAAAAAATGTAGGCGGT 480
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Qy 453 ATTGATCATGGCATGGATGGCATGGCATGGCATGGCATGGCAAAATCGTAAAAAATGTAGGCGGT 512
Qy 481 TACCGTGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGAGCACTTAAATAGTACTGATCCCC 540
Db |||
Qy 513 TACCGTGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGAGCACTTAAATAGTACTGATCCCC 572
Qy 541 AATAGTGTCTTCGATGTGTCAGATGCTAGAAATGGTTTGCATCATCATGTCATGTTTGT 600
Db |||
Qy 573 AATAGTGTCTTCGATGTGTCAGATGCTAGAAATGGTTTGCATCATCATGTCATGTTTGT 632
Qy 601 ATTGTGTTGAACCTACTCGGACCTTAGTACTTACGATTTCAATTAAGAAACAGCTTCTG 660
Db |||
Qy 633 ATTGTGTTGAACCTACTCGGACCTTAGTACTTACGATTTCAATTAAGAAACAGCTTCTG 692
Qy 661 CCATTTCAAAATTGACCAATCAGGACGATGCGGTATCAGATCTGCCAGTCAATAAATTTT 720
Db |||
Qy 693 CCATTTCAAAATTGACCAATCAGGACGATGCGGTATCAGATCTGCCAGTCAATAAATTTT 752
Qy 721 TTACATCATATAAATTAACCCATACAGATCTGAAGCTGAAATATTTTGTGTAAG 780
Db |||
Qy 753 TTACATCATATAAATTAACCCATACAGATCTGAAGCTGAAATATTTTGTGTAAG 812
Qy 781 TCTGACTATGTAGTCAAAATATAATTTTAAATGAAACGTGATGAACGCACACTGAAAAAC 840
Db |||
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Thu Aug 4 11:19:26 2005

Db	813	TCGTACTATGTAGTCAATATAATTTCTAAATGAACGTCATGAACGCACACGCACTGAAAAAC	872	Db	93	TTAGAAGCAAGGTCCTTGAATGAGCGAGATTATTCGGACCGGAGATACGTTGACGAATAC	152
Qy	841	ACAGATATCAAAAGTTGTTGACCTTTGGAGTCGAACGTCATGATGATGAACATCACAGTACT	900	Qy	121	AGGAATGACTACTGTGTAAGGATATGTTCTTAGACATTATACAGAGACATTTGAAAGCGGG	180
Db	873	ACAGATATCAAAAGTTGTTGACCTTTGGAGTCGAACGTCATGATGATGAACATCACAGTACT	932	Db	153	AGGAATGACTACTGTGTAAGGATATGTTCTTAGACATTATACAGAGACATTTGAAAGCGGG	212
Qy	901	TTGGTGTCTACCGGCACCTACAGAGCTCCCGAGGTCATTTTGGCTTTAGGTTGGTCTCAG	960	Qy	181	TATCGAATCCACTCCAGTAAATCTTCAGTCCGACGAGGAGAGAGCTCTCTAAAGGAAG	240
Db	933	TTGGTGTCTACCGGCACCTACAGAGCTCCCGAGGTCATTTTGGCTTTAGGTTGGTCTCAG	992	Db	213	TATCGAATCCACTCCAGTAAATCTTCAGTCCGACGAGGAGAGAGCTCTCTAAAGGAAG	272
Qy	961	CTTTGATGTTGGAGCATAGGTTGCTCTTATTGTAATATTACCTTTGGCTTTAGGTTGGTCTCAG	1020	Qy	241	CGCAATAGACACTGTTTCAAGTCATCAGTCACTTCGAGAGCCACCGAAGGAAAGATCC	300
Db	993	CTTTGATGTTGGAGCATAGGTTGCTCTTATTGTAATATTACCTTTGGCTTTAGGTTGGTCTCAG	1052	Db	273	CGCAATAGACACTGTTTCAAGTCATCAGTCACTTCGAGAGCCACCGAAGGAAAGATCC	332
Qy	1021	TTTCAGACTCATGATGATGAAGAGCCTGGCAATGATGGAACGAATATTAGGACCCATA	1080	Qy	301	AGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCGTTCTAAGA	360
Db	1053	TTTCAGACTCATGATGATGAAGAGCCTGGCAATGATGGAACGAATATTAGGACCCATA	1112	Db	333	AGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCGTTCTAAGA	392
Qy	1081	CCACAACACATGATTCAGAAAAACAGAAACGCAAGTATTTTCCACATAACCCAGCTAGAT	1140	Qy	361	GCAAGATATGAAATCGTGGACACTTTGGGTGAAGAGCGCTTTGGCAAAAGTTGTAGAGTGC	420
Db	1113	CCACAACACATGATTCAGAAAAACAGAAACGCAAGTATTTTCCACATAACCCAGCTAGAT	1172	Db	393	GCAAGATATGAAATCGTGGACACTTTGGGTGAAGAGCGCTTTGGCAAAAGTTGTAGAGTGC	452
Qy	1141	TGGAGTGAACACAGTCTCTGCTGGTAGATATGTTAGGAGCGCTGCAAAACCGTTGAAGGHA	1200	Qy	421	ATTGATCATGGCATGGATGCGCATGATGATGAGCAGTGAATAATCGTAAAAAATGTAGGCCGT	480
Db	1173	TGGAGTGAACACAGTCTCTGCTGGTAGATATGTTAGGAGCGCTGCAAAACCGTTGAAGGHA	1232	Db	453	ATTGATCATGGCATGGATGCGCATGATGATGAGCAGTGAATAATCGTAAAAAATGTAGGCCGT	512
Qy	1201	TTTATGCTTTGTCATGATGAAGACATGAGAACTGTTGACCTGGTTCGAAGAATGTTA	1260	Qy	481	TACCGTGAAGCAGCTCGTTCAAGATTCAGAAATTCAGAGTATTTAGAGCCTTTAAATAGTACTGCC	540
Db	1233	TTTATGCTTTGTCATGATGAAGACATGAGAACTGTTGACCTGGTTCGAAGAATGTTA	1292	Db	513	TACCGTGAAGCAGCTCGTTCAAGATTCAGAGTATTTAGAGCCTTTAAATAGTACTGCC	572
Qy	1261	GAATATGATCCAACTCAAGAAATACCTTGGATGAAGCATGCGATGCGATCTCTTTTGAC	1320	Qy	541	AATAGTCTCTCCGATGTCAGATGCTAGAAATGCTGATGATGATGATGATGATGATGATGATG	600
Db	1293	GAATATGATCCAACTCAAGAAATACCTTGGATGAAGCATGCGATGCGATCTCTTTTGAC	1352	Db	573	AATAGTCTCTCCGATGTCAGATGCTAGAAATGCTGATGATGATGATGATGATGATGATGATG	632
Qy	1321	TTATTAAAAAGAAA 1335		Qy	601	ATTGTTGTTGAACTACTGGGACTTTAGTACTTACGATTTCATTAAGAAACACAGCTTTCTG	660
Db	1353	TTATTAAAAAGAAA 1367		Db	633	ATTGTTGTTGAACTACTGGGACTTTAGTACTTACGATTTCATTAAGAAACACAGCTTTCTG	692
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US-10-801-671-1							
; Sequence 1, Application US/10801671							
; Publication No. US20040152123A1							
; GENERAL INFORMATION:							
; APPLICANT: YAN, Chunhua et al.							
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC							
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES							
; TITLE OF INVENTION: THEREOF							
; FILE REFERENCE: CL000758DIV-III							
; CURRENT APPLICATION NUMBER: US/10/801,671							
; PRIOR FILING DATE: 2004-03-17							
; PRIOR APPLICATION NUMBER: 60/227,470							
; PRIOR FILING DATE: 2000-08-24							
; PRIOR APPLICATION NUMBER: 09/810,671							
; PRIOR FILING DATE: 2001-03-19							
; NUMBER OF SEQ ID NOS: 5							
; SOFTWARE: FastSeq for Windows Version 4.0							
; SEQ ID NO 1							
; LENGTH: 2354							
; TYPE: DNA							
; ORGANISM: Homo sapiens							
US-10-801-671-1							
Query Match							
Best Local Similarity 100.0%; Pred. No. 0;							
Matches 1335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;							
Qy	1	ATGTGATCCCTCTTGAAGCTTCGACCTCTGTTGAGAGGACACTCATCCAGTCAATTAT	60	Qy	1081	CCACAACACATGATTCAGAAAAACAGAAACGCAAGTATTTTCCACATAACCCAGCTAGAT	1140
Db	33	ATGTGATCCCTCTTGAAGCTTCGACCTCTGTTGAGAGGACACTCATCCAGTCAATTAT	92	Db	1113	CCACAACACATGATTCAGAAAAACAGAAACGCAAGTATTTTCCACATAACCCAGCTAGAT	1172
Qy	61	TTAGAGCAGGTCCTTGAATGAGGAGATATTCGGACCGGAGATGATGAGGAGGAA	1200	Qy	1141	TGGAGTGAACACAGTCTCTGCTGGTAGATATGTTAGGAGCGCTGCAAAACCGTTGAAGGHA	1232
Db				Db	1173	TGGAGTGAACACAGTCTCTGCTGGTAGATATGTTAGGAGCGCTGCAAAACCGTTGAAGGHA	1232

Db	1181	GACCCATCCAGCACATATGATCCAGAAACAAGAAACGAAAGTATTTCCACCATAAAC	1240
Qy	1133	AGTAGATTGGGATGAACACAGTCTCTGCTAGATATGTTAGGAGCGCTGCAAAACCGT	1192
Db	1241	AGCTAGATTGGGACGACATAGTTCAGCTGGGAGATATGTTAGGAGACGCTGCAAGCGT	1300
Qy	1193	TGAAGGAATTTATGCTTTGTGTCATGATGAAGAAACATGAGAACTGTTTGACCTGGTTCGAA	1252
Db	1301	TAAAGGAATTTATGCTTTGTGTCATGACGAAGACATGAGAACTGTTTGACCTGGTTCGAA	1360
Qy	1253	GAATGTTAGATATGATCCAACTCAAGAAATTTACCTTGGATGAAGCATTCGACGATCCTT	1312
Db	1361	GAATGTTGGAGTATGACCCGACGAGAGGATCACCTTGGATGAAGCATTCGACGATCCTT	1420
Qy	1313	TCCTTGACTTATTAAGAAAGAAA	1335
Db	1421	TCCTTGACTTATTAAGAAAGAAA	1443
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US-09-905-999-26			
; Sequence 26, Application US/09905999			
; Patent No. US20020106771A1			
; GENERAL INFORMATION:			
; APPLICANT: ULLRICH, Axel			
; APPLICANT: NAVLER, Oliver			
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS			
; FILE REFERENCE: 038602/0431			
; CURRENT APPLICATION NUMBER: US/09/905,999			
; PRIOR FILING DATE: 2001-07-17			
; PRIOR APPLICATION NUMBER: 09/127,248			
; PRIOR FILING DATE: 1999-07-31			
; PRIOR APPLICATION NUMBER: PCT/IB97/00946			
; PRIOR FILING DATE: 1997-06-17			
; PRIOR APPLICATION NUMBER: US 08/877,150			
; PRIOR FILING DATE: 1997-06-17			
; PRIOR APPLICATION NUMBER: US 60/034,286			
; PRIOR FILING DATE: 1996-12-19			
; NUMBER OF SEQ ID NOS: 26			
; SOFTWARE: PatentIn version 3.0			
; SEQ ID NO 26			
; LENGTH: 1549			
; TYPE: DNA			
; ORGANISM: Mus musculus			
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Best Local Similarity 90.8%; Pred. No. 6.3e-293;			
Matches 1165; Conservative 0; Mismatches 118; Indels 0; Gaps 0;			
Qy	53	GTCAATTTTGAAGCAAGGTCCTTGAATGAGGAGATTTATCGGACCGGAGATAGCTTG	112
Db	239	GTCACTATTTAGAAGCAAGATGCTTGAATGAGAGATTTATCGGACCGGAGATATG	298
Qy	113	ACGAATACAGGATGACTACTGTAAGGATATGTTCTAGACATTTATCACAGACATTTG	172
Db	299	ATGAATACAGAAATGACTACTGGAAGGATATGTTCCAGACATTTACCATAGACGTTG	358
Qy	173	AAAGCGGGTATCGAATCCACTGTCAGTAAATCTTCAGTCGCGACGAGAGAGAGCTCTA	232
Db	359	AAAGCACTTACCGGATCCATTCAGTAAATCTTCAGTCAGGAGAGAGAGAGAGCCCTA	418
Qy	233	AAAGGAAGCGCATAGACACTGTTCAAGTCATCAGTCAGTTCGAAGAGCCACCGAAGGA	292
Db	419	AGAGAAAGCGTAATAGACCCCTGTGCAAGTCAATCAGTCGCAATTCAGAGAGCCACCGAAGGA	478
Qy	293	AAAGATCCAGGATATAGAGGATGATGAGAGGGTCACTGTATCTGTCAAAGTGGAGACG	352
Db	479	AAAGATCCAGGATATAGAGGATGATGAGAGGGTCACTGTATCTGTCAAAGTGGAGACG	538
Qy	353	TTCTAAGAGCAAGATATGAATCGTGACACTTTTGGTGAAGGAGCCCTTTGGCAAAAGTTG	412
Db	539	TTCTAAGAGCAAGATATGAATCGTGACACTTTTGGTGAAGGAGCCCTTTTGGCAAAAGTTG	598

Qy	53	GTCAATTTTGAAGCAAGGTCCTTGAATGAGGAGATTTATCGGACCGGAGATAGCTTG	112
Db	161	GTCACTATTTAGAAGCAAGATGCTTGAATGAGAGATTTATCGGACCGGAGATACATG	220
Qy	113	ACGAATACAGGATGACTACTGTAAGGATATGTTCTAGACATTTATCACAGACATTTG	172
Db	221	ATGAATACAGAAATGACTACTGGAAGGATATGTTCCAAAGACATTTACCATAGACGTTG	280
Qy	173	AAAGCGGGTATCGAATCCACTGAGTAAATCTTCAGTCGCGACGAGGAGACGCTCCCTA	232
Db	281	AAAGCACTTACCGGATCCATTCGAGTAAATCTTCAGTCAGGAGCGAGGAGACGCCCTA	340
Qy	233	AAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCACGTTCGAAGAGCCACCGAAGGA	292
Db	341	AGAGAAAGCGTATAGACCCCTGTGCAAGTCATCAGTCGCAATTCGAAGAGCCACCGAAGGA	400
Qy	293	AAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACCTGATCTGTCAAAGTGGAGAGC	352
Db	401	AAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACCTGATCTGTCAAAGTGGAGAGC	460
Qy	353	TTCTAAGAGCAAGATATGAATCGTGACACTTTTGGTGAAGGAGCCCTTTGGCAAAAGTTG	412
Db	461	TTCTAAGAGCAAGATATGAATCGTGACACTTTTAGTGAAGGAGCCCTTTGGCAAAAGTTG	520
Qy	413	TAGATGTCATTTGATGCGCATGCGATGCGCATGATGATGATGATGATGATGATGATGATG	472
Db	521	TAGATGTCATTTGATGCGCATGCGATGCGCATGATGATGATGATGATGATGATGATGATG	580
Qy	473	TAGGCGGTTACCGTGAAGAGCTGCTTCAGAAATCCAAATTTAGAGCACTTTAAATAGTA	532
Db	581	TAGGACGTTACCGGAGGAGCTGCTTCGAAATCCAAATTTAGAGCACTTTGAAACGCA	640
Qy	533	CTGATCCCAATGATGCTCCGATGCTCCAGATGCTAGAAATGTTTGTATCATCATGGTC	592
Db	641	CTGACCCCAAGATGCTCCGATGCTCCAGATGCTAGAGTGGTTGATCATCATGGTC	700
Qy	593	ATGTTTGTATGTTTGAACACTCGGACCTTAGTACTTACGATTTTAAAGAAACA	652
Db	701	ATGTTTGTATGTTTGAACACTCGGACCTTAGTACTTACGATTTTAAAGAAACA	760
Qy	653	CTTTCTGCGCAATTTCAATTTGACACATCAGGAGATGGCGTATCAGATCTGCCAGTCAA	712
Db	761	GTCTTCTGCGCAATTTCAATTTGACACATCAGGCAATTTGGCTTATCAGATCTGCCAGTCAA	820
Qy	713	TAAATTTTATACATCAATAAATTAACACACACGACCTTAAACCTTAAATATTTTAT	772
Db	821	TAAATTTTATACATCAATAAATTAACACACACGACCTTAAACCTTAAATATTTTAT	880
Qy	773	TTGTGAAGTCTGATAGTAAATTAATTTCTAAATGAACGATGAAGGACAC	832
Db	881	TTGTGAAGTCTGATAGTAAATTAATTTCTAAATGAACGATGAAGGACAC	940
Qy	833	TGAAGAACACAGATATCAAGTTGTTGACTTTGGAAGTGCAACGCTATGATGAACATC	892
Db	941	TGAAGAACACAGATATCAAGTTGTTGACTTTGGAAGTGCAACATATGACGACCAATC	1000
Qy	893	ACAGTACTTTGGTGTCTACCCGGCACTACAGAGCTCCGAGGTCATTTGGCTTAGGTT	952
Db	1001	ATAGTACTTTGGTGTCTACCCGGCACTACAGAGGCTCCAGAGGTCATTTGGCTTAGGTT	1060
Qy	953	GGTCTCAGGCTTGTGATGTTTGGAGCATAGGTCATTTTATTAATTTACCTTGGTT	1012
Db	1061	GGTCTCAGGCTTGTGATGTTTGGAGCATAGGTCATTTTATTAATTTACCTTGGTT	1120
Qy	1013	TCACAGTCTTTTACAGTCTATGATAGTAAAGAGCACCTCGCAATATGATGAACGAAATATAG	1072
Db	1121	TCACAGTCTTTTACAGTCTATGATAGTAAAGAGCACCTCGCAATATGATGAGGCGATCTTAG	1180
Qy	1073	GAACCATACCAACACATGATTCAGAAACAGAGAAACGCAAGTATTTTCCACCATACCC	1132

Qy	413	TAGAGTGCATTGATCATGTGGCANTGATGGCATGCAATGTAGCAGTGAAAAATCGTAAAAAATG	472
Db	599	TAGAGTGCATTGATCAGCGCATGATGGCTTTACATGTAGCAGTGAAAAATGTTAAAAAATG	658
Qy	473	TAGCGCGTTACCGTGAAGCAGCTCGTTCCAGAAATCCAAAGTATTTAGAGCATTTAAATAGTA	532
Db	659	TAGAGCGTTTACCGGGAGCAGCTCGTTCTGAAATCCCAAGTATTCGGAGCACTTTGAACAGCA	718
Qy	533	CTGATCCCAATPAGTGTCTTCCGATGTGTCCAGATGCTAGAATGGTTTGATCATCATGGTC	592
Db	719	CTGACCCCAACAGTGTCTTCCGATGCGTCCAGATGCTAGAGTGGTTTGATCATCATGGTC	778
Qy	593	ATGTTTGTATTTGTTGTTGAACCTACTGGGACTTAGTACTTACGATCTTAGAGTGGTTTGATCATCATGGTC	652
Db	779	ATGTTTGTATTTGTTGTTGAGCTGTGGGACTTAGTACTATGATTTTATTAAAGAAAAATA	838
Qy	653	GCTTTCTGCCATTTCAAATTGACCACATCAGGCGAGATGGCGTATCAGATCTGCCAGTCAA	712
Db	839	GTTTCTTGCCATTTCAAATTTGATCACATCAGGCAATGGCTTATCAGATCTGCCAGTCTA	898
Qy	713	TAAATTTTTTATCATATAATAAATTAACCCATACAGATCTGAAGCCTGAAAAATATTTTGT	772
Db	899	TAAATTTTTTATCATATAATAAATTAACACACACGGACCTAAAACCTGAAAAATATTTTAT	958
Qy	773	TTGTGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAATGAAACGTGTGAAACGACAC	832
Db	959	TTGTGAAGTCTGACTATGTAGTCAAAATACAAATTTCAAATGAAACGAGATGAGCGCACAT	1018
Qy	833	TGAAAAACACAGATATCAAAGTTGTTGCACTTTGGAGTGCAACGTATGATGATGAACATC	892
Db	1019	TGAAAAACACAGATATCAAAGTTGTTGATTTTGGAGTGCAACATATGACGAGCAACATC	1078
Qy	893	ACAGTACTTTGGTGTCTACCCGGCACTACAGAGCTCCCGAGGTCATTTTGGCTTTAGGTT	952
Db	1079	ATAGTACTTTGGTGTCCACAAGGCACTACAGGGCTCCAGAGGTCATTTTGGCTCTAGGTT	1138
Qy	953	GGTCTCAGCCTTGTGATGTTTGGAGCATATAGTTGTCATCTTTATTTGAATATTAACCTTCGGTT	1012
Db	1139	GGTCTCAGCCTTGTGATGTTTGGAGCATATAGGTCGATCTTTATTTGAGTACTACCTTCGGTT	1198
Qy	1013	TCACAGTCTTTACAGCTCATGATAGTAAGAGCACCTGGCAATGATCGAAACGACGATATTAG	1072
Db	1199	TCACAGTCTTTACAGCCACAGATAGTAAGAGCACCTGGCAATGATGGAGCGGATCTTAG	1258
Qy	1073	GACCCATACCAACACATGATTTCAGAAAAACAGAAAAACGCAAGTATTTTCCACCATAACC	1132
Db	1259	GACCCATCCAGCACATATGATCCAGAAGACAAAGAAACGCAAGTATTTTCCACCATAACC	1318
Qy	1133	AGCTAGATTTGGGATGAAACACAGTTCTCCTCGTGTAGATATGTTAGAGACGCTGCMAACCGT	1192
Db	1319	AGCTAGATTTGGGACGAGCATATGTTTCCAGTGGGATATGTTTGGAGACGCTGCMAACCGT	1378
Qy	1193	TGAAGGAATTTATGCTTTTGTTCATGATCAAGAACATGAGAAACCTGTTTGACCTGGTTGCA	1252
Db	1379	TAAAGGAATTTATGCTGTGTATGACGAAGACATGAGAAAGCTGTTTGAACCTGGTTGCA	1438
Qy	1253	GAATGTTTAGAATATGATCCAACTCAAAGAATTTACCTTGGATGGAAGCATTTGCAGCATCCTT	1312
Db	1439	GAATGTTTGGAGTATGACCCAGGAGAGGATCACCTTGGATGAAGCATTTGCAGCATCCTT	1498
Qy	1313	TCCTTTGACTTATTTAAAAAGAAA	1335
Db	1499	TCCTTTGACTTATTTAAAAAGAAA	1521

RESULT 8
US-10-825-177-26
; Sequence 26, Application US/10825177
; Publication No. US20040259220A1
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, Axel
; APPLICANT: NAYLER, Oliver

; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS									
; FILE REFERENCE: 038602/0431									
; CURRENT APPLICATION NUMBER: US/10/825,177									
; CURRENT FILING DATE: 2004-04-16									
; PRIOR APPLICATION NUMBER: US/09/905,999									
; PRIOR FILING DATE: 2001-07-17									
; PRIOR APPLICATION NUMBER: 09/127,248									
; PRIOR FILING DATE: 1999-07-31									
; PRIOR APPLICATION NUMBER: PCT/IB97/00946									
; PRIOR FILING DATE: 1997-06-17									
; PRIOR APPLICATION NUMBER: US 08/877,150									
; PRIOR FILING DATE: 1997-06-17									
; PRIOR APPLICATION NUMBER: US 60/034,286									
; PRIOR FILING DATE: 1996-12-19									
; NUMBER OF SEQ ID NOS: 26									
; SOFTWARE: PatentIn version 3.0									
; SEQ ID NO 26									
; LENGTH: 1549									
; TYPE: DNA									
; ORGANISM: Mus musculus									
US-10-825-177-26									
Query Match		82.0%;		Score 1094.2;		DB 20;		Length 1549;	
Best Local Similarity		90.8%;		Pred. No. 6.3e-293;					
Matches 1165;		Conservative		0;		Mismatches 118;		Indels 0; Gaps 0;	
Qy	53	GTCAATTATTAGAAAGCAAGGTCTCTCAATGAGGAGATTATCGGGACCGGAGATACGTTG	112						
Db	239	GTCACTATTATTAGAAAGCAAGATGCTTGAATAGAGAGATTATCGGGACCGGAGATACATTG	298						
Qy	113	ACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCA CAGAGACATTG	172						
Db	299	ATCAATACAGAAATGACTACTGCGAAGGATATGTTCCAAGACATTACCATAGAGACGTTG	358						
Qy	173	AAAGCGGGTATCGAATCCACTGCACTGAATCTTTCAGTCCGACGAGGAGACAGTCCTTA	232						
Db	359	AAAGCACTTACCGGATCCATTGTCAGTAAATCTCTCAGTCAGGACGAGGAAGCAGCCCTA	418						
Qy	233	AAAGGAAGCGCAATAGACACTGTTTCAAGTCATCAGTCACGTTCTCGAAGAGCCACCGAAGGA	292						
Db	419	AGAAAGGGTAAATAGACCCTGTGCAAGTCATCAGTCGGATTCTGAAGACCCACCGAAGGA	478						
Qy	293	AAAGATCCAGGAGTATAGAGGATGATAGGAGGGTCACTCGATCTGTCAAAGTGGAGACG	352						
Db	479	AAAGATCCAGGAGTATAGAGGATGATAGGAGGGTCACTCGATCTGTCAAAGTGGAGACG	538						
Qy	353	TTCTAAGAGCAAGATAGAAATCTGTGGAACACTTTGGGTGAAGAGCCCTTTGGCAAGTTG	412						
Db	539	TTCTAAGAGCAAGATAGAAATCTGTGGAACACTTTAAGTGAAGGAGCCCTTTGGCAAGTTG	598						
Qy	413	TAGAGTGCAATTGATCATGTCATGGATGGCATGTCATGTAGCAGTGAATACTGTAATAAATG	472						
Db	599	TAGAGTGCAATTGATCAGGCACTGGATGGCTTACATGTAGCAGTGAATACTGTAATAAATG	558						
Qy	473	TAGGCGCGTTACCGTGAAGCAGCTCGTTTCAGAAATCCAAGTATTTAGAGCACTTTAAATAGTA	532						
Db	659	TAGGAGCTTTACCGGAGGAGCAGCTCGTTCTGAAATCCAAGTATTTGGAGCACTTTGAACAGCA	718						
Qy	533	CTGATCCCAATAGTGTCCTCCGATGTCAGATGCTAGAAATGGGTTTGATCATCATGTGTC	592						
Db	719	CTGACCCCAACAGTGTCCTTCCGATGCTCCAGATGCTGAGTGGTTTGATCATCATGTGTC	778						
Qy	593	ATGTTTGATATGTTGTTGAACTACTGGAAGCTTAGTACTTTTACCATTTCTAATAAGAAAAACA	652						
Db	779	ATGTTTGATATGTTGTTGAGCTGCTGGGACTTAGTACCTTATGATTTTATTAAGAATAATA	838						
Qy	653	GCCTTCTGCGCACTTCAAAATTGACCACATCAGGCGAGATGGCGTATCAGATCTGCCAGTCAA	712						
Db	839	GTTTCTGCGCACTTCAAAATTTGATCAGATCAGGCAAAATGGCTTATCAGATCTGCCAGTCTA	898						
Qy	713	TAAATTTTTTACATCATATAATAAATTAACCATACAGATCTGAAGCCTGAAAATATTTTGT	772						
Db	899	TAAATTTTTTACATCATATAAATTAACCATACAGGACCTAAAACCTGAAAATATTTTAT	958						

Thu Aug 4 11:19:26 2005

QY	773	TTGTGAAGTCTGACTATGTAGTCAAATATAATCTAAATGAACGTGATGAACGCAC	832
Db	959	TTGTGAAGTCTGACTATGTAGTCAAATATAATCTAAATGAACGTGATGAACGCACAT	1018
QY	833	TGAAAAACACAGATATCAAAAGTTGTGACTTTGGAGTGCAACGTATGATGATGAACATC	892
Db	1019	TGAAAAACACAGATATCAAAAGTTGTGACTTTGGAGTGCAACATATGACGACGACATC	1078
QY	893	ACAGTACTTTGTGTCTACCCGGCACTACAGAGCTCCCGAGGTCAATTTGGCTTTAGGTT	952
Db	1079	ATAGTACTTTGTGTCTACCAAGGCCTACAGAGGTCAATTTGGCTTTAGGTT	1138
QY	953	GGTCTCAGCCTTGATGTTTGGAGCATAGTTGTCATTTCTTATGAATATTACCTTTGGTT	1012
Db	1139	GGTCTCAGCCTTGATGTTTGGAGCATAGGCTTGCAATTTCTTATGAATATTACCTTTGGTT	1198
QY	1013	TCACAGTCTTTACAGCCAGTAGTAAAGAGCACCTGGCAATGATGGAGCGGATCTTAG	1072
Db	1199	TCACAGTCTTTACAGCCAGTAGTAAAGAGCACCTGGCAATGATGGAGCGGATCTTAG	1258
QY	1073	GACCCATACCAACACATGATTCAGAAACAGAAACGCAAGTATTTTCCACCAATACC	1132
Db	1259	GACCCATACCAACACATGATTCAGAAACAGAAACGCAAGTATTTTCCACCAATACC	1318
QY	1133	AGCTAGATTGGGATGACACAGATTCTGCTGCTAGATATGTTAGGAGACGCTGCAACCGT	1192
Db	1319	AGCTAGATTGGGATGACACAGATTCTGCTGCTAGATATGTTAGGAGACGCTGCAACCGT	1378
QY	1193	TGAAGGAATTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTGACCTGTTTCGAA	1252
Db	1379	TGAAGGAATTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTGACCTGTTTCGAA	1438
QY	1253	GAATGTTAGATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATGACGATCCTT	1312
Db	1439	GAATGTTAGATATGATCCAGGAGAGGATCACTTTGGATGAAGCAATGACGATCCTT	1498
QY	1313	TCCTTTGACTTTATAAAAAGAAA	1335
Db	1499	TCCTTTGACTTTATAAAAAGAAA	1521
RESULT 9			
US-10-425-114-26212			
; Sequence 26212, Application US/10425114			
; Publication No. US2004003488A1			
; GENERAL INFORMATION:			
; APPLICANT: Zhou Yihua			
; APPLICANT: Zhou Yihua			
; APPLICANT: Kovalic, David K.			
; APPLICANT: Screen, Steven E.			
; APPLICANT: Tabaska, Jack E.			
; APPLICANT: Cao, Yongwei			
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With			
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement			
; FILE REFERENCE: 38-21(53313)B			
; CURRENT APPLICATION NUMBER: US/10/425,114			
; CURRENT FILING DATE: 2003-04-28			
; NUMBER OF SEQ ID NOS: 73128			
; SEQ ID NO 26212			
; LENGTH: 3040			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; OTHER INFORMATION: Clone ID: LIB4115-001-H8_FLI			
US-10-425-114-26212			
Query Match 72.5%; Score 968.4; DB 18; Length 3040;			
Best Local Similarity 99.9%; Pred. No. 8.5e-258; Indels 0; Gaps 0;			
Matches 969; Conservative 1; Mismatches 0; Gaps 0;			
QY	366	ATATCAATCGTGACACTTTGGGTGAAGAGCCCTTTGGCAAGTCTTAGTGCCATTGA	425

RESULT 10
US-10-425-114-26852
; Sequence 26852, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong

APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E.
APPLICANT: Tabaska, Jack E.
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 26852
LENGTH: 4035
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Clone ID: LIB4654-056-G4_FLI
US-10-425-114-26852

Query Match 72.5%; Score 968.4; DB 18; Length 4035;
Best Local Similarity 99.9%; Pred. No. 1e-257;
Matches 969; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 366 ATATGAATCGTGACACTTTGGGTGAAGAGCCTTTGGCAAACTTCTAGAGTGCAATTGA 425
DB 2126 AGATGAATCGTGACACTTTGGGTGAAGAGCCTTTGGCAAACTTCTAGAGTGCAATTGA 2185

QY 426 TCATGGCATGGATGGCATGTCATGTAGCAGTGAAATCGTAAAAATGTAGGCCGTTACCG 485
DB 2186 TCATGGCATGGATGGCATGTCATGTAGCAGTGAAATCGTAAAAATGTAGGCCGTTACCG 2245

QY 486 TGAAGCAGCTCGTTTCAGAAATCCAAATATTAGAGCACTTAAATAGTAGTACTGATCCCAATAG 545
DB 2246 TGAAGCAGCTCGTTTCAGAAATCCAAATATTAGAGCACTTAAATAGTAGTACTGATCCCAATAG 2305

QY 546 TGTCTCCGATGTCTCAGATGCTAGAAATGTTTGAATCATGCTCATGTTGTATTGT 605
DB 2306 TGTCTCCGATGTCTCAGATGCTAGAAATGTTTGAATCATGCTCATGTTGTATTGT 2365

QY 606 GTTTGAACACTCTGGACTTAGTACTTACGATTTTCAATTAAGAAAAACAGCTTTCTGCCATT 665
DB 2366 GTTTGAACACTCTGGACTTAGTACTTACGATTTTCAATTAAGAAAAACAGCTTTCTGCCATT 2425

QY 666 TCAAAATTGACACATCAGGAGATGGCGTATCAGATCTGCCAGTCAATAAATTTTACCA 725
DB 2426 TCAAAATTGACACATCAGGAGATGGCGTATCAGATCTGCCAGTCAATAAATTTTACCA 2485

QY 726 TCATAATAAATTAAACCATACAGATCTGAAGCCTGAAATATTTTGTGTGAAGTCTGA 785
DB 2486 TCATAATAAATTAAACCATACAGATCTGAAGCCTGAAATATTTTGTGTGAAGTCTGA 2545

QY 786 CTATGTAGTCAAAATATAATTTCTAAATGAAACGTTGATGAACGACACTGAAAAACACAGA 845
DB 2546 CTATGTAGTCAAAATATAATTTCTAAATGAAACGTTGATGAACGACACTGAAAAACACAGA 2605

QY 846 TATCAAAAGTTGTGACTTTTGGAGTGCAACGTATGATGATGAACATCACAGTACTTTGGT 905
DB 2606 TATCAAAAGTTGTGACTTTTGGAGTGCAACGTATGATGATGAACATCACAGTACTTTGGT 2665

QY 906 GTCTACCCGACCTACAGAGCTCCGAGGTCATTTTGGCTTTAGGTTGGTCTCAGCCTTG 965
DB 2666 GTCTACCCGACCTACAGAGCTCCGAGGTCATTTTGGCTTTAGGTTGGTCTCAGCCTTG 2725

QY 966 TGATGTTTGGAGCATAGTTGCACTTTCTATTGTAATATTACCTTGGTTTTCACAGTCTTTCA 1025
DB 2726 TGATGTTTGGAGCATAGTTGCACTTTCTATTGTAATATTACCTTGGTTTTCACAGTCTTTCA 2785

QY 1026 GACTCATGATAGTAAAGACACCTGGCAATGATGAACGAATATTAGGACCCATACACA 1085
DB 2786 GACTCATGATAGTAAAGACACCTGGCAATGATGAACGAATATTAGGACCCATACACA 2845

QY 1086 ACATCATGTTTCAGAAACAGAAACCGCAAGTATTTTCCACCAATACAGTCTTCTGGACATCTG 1145

DB 2846 ACATCATGTTTCAGAAACAGAAACCGCAAGTATTTTCCACCAATACAGCTAGATTGGGA 2905

QY 1146 TGAACACAGTTCTGCTGGTAGATATGTTAGGAGACGCTCAAAACCGTTGAAGGAATTTAT 1205

DB 2906 TGAACACAGTTCTGCTGGTAGATATGTTAGGAGACGCTCAAAACCGTTGAAGGAATTTAT 2965

QY 1206 GCTTTCATGATGAAGACATCAGAAACCTGTTTGACCTGGTTTGAAGAAATGTTAGAAATA 1265

DB 2966 GCTTTCATGATGAAGACATCAGAAACCTGTTTGACCTGGTTTGAAGAAATGTTAGAAATA 3025

QY 1266 TGATCCAACCTCAAAAGAAATACCTTTGGATGAAGCAATTCGACGATCCCTTTCTTTGACTTTAT 1325

DB 3026 TGATCCAACCTCAAAAGAAATACCTTTGGATGAAGCAATTCGACGATCCCTTTCTTTGACTTTAT 3085

QY 1326 AAAAAAGAAA 1335

DB 3086 AAAAAAGAAA 3095

RESULT 11
US-10-267-502-136
; Sequence 136, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaesob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 136
; LENGTH: 1455
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-267-502-136

Query Match 60.9%; Score 813.2; DB 18; Length 1455;
Best Local Similarity 77.6%; Pred. No. 7.5e-215;
Matches 999; Conservative 0; Mismatches 283; Indels 6; Gaps 1;

QY 52 AGTCATTTTGAAGCAAGGTCCTTGAATGAGGAGATTATCGGGACCGAGATACGTT 111
DB 160 AGCCATTTTGGAAAGCAGGCTCTATAAATGAGAAAGATTATCATAGTCGACGTACATT 219

QY 112 GACCAATACAGGAATGACTACTCTGAAGGATATGTTCTAGACATTATCACAGAGACATT 171

DB 220 GATGAGTACAGAAATGACTACTCAAGGATGTGAACCTGGACATCGCCAAAGAGACAT 279

QY 172 GAAAGCGGTTATCGAATCCATCTGCAGTAAATCTTCAGTCCGACGAGGAGAGAGAGTCT 231

DB 280 GAAAGCGGTTATCAGAACCATAGTAGCAAGTCTTCTGGTAGAAGTGGGAAGAGTAGTTAT 339

QY 232 AAAAGAGGCGCAATAGACAC-----TGTTCAAGTCATCAGTCACGTTTGAAGAGCCAC 285

DB 340 AAAAGCAACACAGGATTCCACACAGTACTCTCATCTGCTTCCATCGGGAAGAGAGTCA 399

QY 286 CGAAGGAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGT 345

DB 400 CGAAGGAAAGAACACAGGAGTATAGGATGATGAGGAGGTCACCTGATCTGTCAAGT 459

QY 346 GGAGAGCTTCTAAAGACAAAGATATGAATCGTGACACATTTGGGTGAAGAGCGCTTTGGC 405

DB 460 GGAGAGCTTCTAAAGTCAAGATATGAATTTGTTGATACTTTGTAGTGAAGGAGCTTTTGA 519

QY 406 AAAGTTGTAGAGTGCATTGATCATGCGATGGATGGCATGCGATGATGATGAGGAGGTCACCTGATCTGTCAAGT 465

DB 520 AAAGTTGTGAGTGCATTCGATCATAAAGCGGAGGAGTAGACATGATGAGCAGTAAAGATAGTT 579

QY 466 AAAAAATGTTAGCGGTTTACCGTGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGAGCACTTA 525

DB 580 AAAAAATGTTAGTACTGTGTGAAGCTGCTCGCTCAGAAATACAGTCTTCTGGACATCTG 639

		FEATURE:	
		NAME/KEY: CDS	
		LOCATION: (156) ... (1610)	
		US-10-154-708-3	
		Query Match	
		Best Local Similarity 60.7%; Score 810; DB 17; Length 1834;	
		Matches 997; Conservative 0; Mismatches 285; Indels 6; Gaps 1;	
QY	52	AGTCATTTTAAAGCAGGCTCTTGAATGACGAGATATCGGACCGGAGATACGTT	111
DB	315	AGCCATTTTGGAAAGCAGGCTCTATAAAATGAGAAAGATTATCATAGTCACCTACAT	374
QY	112	GACGATACAGGATGACTACTGTGAAGGATATGTTCTTAGACATTTATCACAGACATT	171
DB	375	GATGATACAGAAATGACTACACTCAAGGATGTGAACCTGGACATCGCCAAAGAGACAT	434
QY	172	GAAAGCGGATTCGAATCCACTGCAGTAAATCTTTCAGTCCGACGAGGAGAAAGCAGTCT	231
DB	435	GAAAGCGGATTCAGAACCATAGTAGCAAGCTCTTCTGTAGAAAGTGGAAAGAGTAGTTAT	494
QY	232	AAAAGGAAGCGCATAGACAC-----TGTTCAAGTCATCAGTCACGTTTCGAAAGAGCCAC	285
DB	495	AAAAGCAACACAGGATTCACCAAGTACTTTCACATCGTTCACATGCGAAGAGTCAC	554
QY	286	CGAAGGAAAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACTGTATCTGTCAAAGT	345
DB	555	CGAAGGAAAAGATCCAGGAGTGTAGAGGATGATGAGAGGGTCACTGTATCTGTCAAAGT	614
QY	346	GGAGACGTTCTTAAGACGACGATGAAATCGTGGACACTTTGGGTGAAGAGCCCTTTGGC	405
DB	615	GGAGACGTTCTTAAGACGACGATGAAATCGTGGACACTTTGGGTGAAGAGCCCTTTGGC	674
QY	406	AAAGTTGTAGAGTGCATTCAGTGGATGATGCGATGCGATGCGATGCGATGCGATGCGAT	465
DB	675	AAAGTTGTAGAGTGCATTCAGTGGATGATGCGATGCGATGCGATGCGATGCGATGCGAT	734
QY	466	AAAAATGTAGGCGTTCCGTTGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGAGCATT	525
DB	735	AAAAATGTAGGCGTTCCGTTGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGAGCATT	794
QY	526	ATAGTACTGATCCCAATAGTGTCTTCGATGTGTCTTCCAGATGTCAGATGTCAGATGTC	585
DB	795	AATACACAGACCCCAACAGTACTTTCCGCTGTGTCTGATGTTGGAAATGTTGGAGCAT	854
QY	586	CATGTCATGTTTGTATGTTGTTGAACTACTGCGGACTTAGTACTTACGATTTCAATTA	645
DB	855	CATGTCATGTTTGTATGTTTGTGAACTACTTGGGACTTAGTACTTACGATTTCAATTA	914
QY	646	GAAACAGCTTTTCTGCAATTCGCAATTCGCAATTCGCAATTCGCAATTCGCAATTCG	705
DB	915	GAAACAGCTTTTCTGCAATTCGCAATTCGCAATTCGCAATTCGCAATTCGCAATTCG	974
QY	706	CAGTCAATAAAATTTTTTACATCATATAAATTAACCCATACAGATCTGAGCCTGAAAT	765
DB	975	AAGTCTGTGAATTTTTTGCACAGTAAATAGTTGACTCACACAGACTTAAAGCCTGAAAC	1034
QY	766	ATTTGTTGTGAGTCTGACTATGATGCAATTAATTTCTAAATGAAACCTGATGAA	825
DB	1035	ATCTTATTTGTGCAAGTCTGACTACAGAGGCGGTATTAATCCCAAAATATAAAGTGA	1094
QY	826	CGCACACTGAAAAACACAGATATCAAAAGTTGTTGACTTTGGAAAGTGCACGATGAT	885
DB	1095	CGCACACTTAAATTAATCCAGATATTAAGTTGTAGACTTTGGTGTGCAACATATGATG	1154
QY	886	GAACATCACAGTACTTTGGTGTCTACCGGACTACAGAGCTCCCGAGGTCATTTGGCT	945
DB	1155	GAACATCACAGTACTTTGGTGTCTACCGGACTACAGAGCTCCCGAGGTCATTTGGCT	1214
QY	946	TTAGGTTGGTCTGAGCCTCTGATGTTTGGAGCATAGGTTGCAATTTCTTATGAAATAT	1005
DB	1215	CTAGGTTGGTCTGAGCCTCTGATGTTTGGAGCATAGGTTGCAATTTCTTATGAAATAT	1274

RESULT 12
US-10-154-708-3
; Sequence 3, Application US/10154708
; Publication No. US20030219895A1
; GENERAL INFORMATION:
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF CDC-LIKE KINASE 1 EXPRESSION
; FILE REFERENCE: R15-0213
; CURRENT APPLICATION NUMBER: US/10/154,708
; CURRENT FILING DATE: 2002-05-22
; NUMBER OF SEQ ID NOS: 143
; SEQ ID NO 3
; LENGTH: 1834
; TYPE: DNA
; ORGANISM: H. sapiens

GENERAL INFORMATION:
 APPLICANT: Wyeth
 APPLICANT: Mounts, William
 TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
 TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
 FILE REFERENCE: 031896-043000 (AM 101081)
 CURRENT APPLICATION NUMBER: US/10/956,157
 CURRENT FILING DATE: 2004-10-04
 NUMBER OF SEQ ID NOS: 319805
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 1175
 LENGTH: 1834
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-956-157-1175

Query Match 60.7%; Score 810; DB 21; Length 1834;
 Best Local Similarity 77.4%; Pred. No. 6.6e-214;
 Matches 997; Conservative 0; Mismatches 285; Indels 6; Gaps 1;

52 AGTCATTATTAGAAAGCAGGCTCTTGAATGAGCAGGATTATCGGACCGGAGATAGCTT 111
 315 AGCCATTATTGGAAAGCAGGCTCTATAAATGAGAAGATTATCATAGTCGACGCTACAT 374
 112 GACGAATACAGGAATGACTACTGTGAGGATATGTTCTAGACATTATCAGAGACATT 171
 375 GATGAGTACAGAAATGACTACACTCAAGGATGTGAACCTGGACATCGCCAAAGAGCCAT 434
 172 GAAAGCGGATCGAATCCACTGTCAGTAAATCTTCAGTCCGACGAGGAGAGCAGTCCT 231
 435 GAAAGCGGATATCAGAACCATAGTAGCAAGCTCTCTGGTAGAAGTGAAGAAGTAGTAT 494
 232 AAAAGGAAGCCCAATAGACAC-----TGTTCAAGTCATCAGTCACGTTCCAGAGCCAC 285
 495 AAAAGCAACACAGGATTACCAACAGTACTTACATCGTCTGTTACATGGGAAGAGTCAC 554
 286 CGAAGGAAGATCCAGAGATATAGAGGATGATGAGGAGGTCACCTCATCTGTCAAAAGT 345
 555 CGAAGGAAGAAACAGAGGTGTAGAGATGATGAGGAGGTCACCTCATCTGTGACAGT 614
 346 GGAGACGTTCTAAGAGCAGGATATGAAATCGTGGACATTTGGGTGAAGGAGCCCTTGGC 405
 615 GGAGACGTTCTAAGGTCAGGATATGAAATCGTGGACATTTGGGTGAAGGAGCCCTTGGC 674
 406 AAGTTGTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 465
 675 AAGTTGTGAGTGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 734
 466 AAAAAATGTAGGCGTTTACCGTGAAGCAGCTCGTTTACGAAATCCAAAGTATTAGACATTTA 525
 735 AAAAAATGTAGGCGTTTACCGTGAAGCAGCTCGTTTACGAAATCCAAAGTATTAGACATTTA 794
 526 AATAGTACTGATCCCAATAGTGTCTTCCGATGTGTCCAGATGCTAGAAATGGTTGATCAT 585
 795 AATACAAACAGACCCCAACAGTACTTTCCGCTGTGTCCAGATGCTAGAAATGGTTGATCAT 854
 586 CATGTCATGTTTGTATGTTGTTGAACTTACCTGGAATTTAGTACTTACCAATTTCAATAA 645
 855 CATGTCATGTTTGTATGTTGTTGAACTTACCTGGAATTTAGTACTTACCAATTTCAATAA 914
 646 GAAAAACAGCTTCTGCGCAATTTCAAAATGACCAATCAGGACAGATGCGGTATCAGATCTGC 705
 915 GAAATGTTTCTTCACTTCCGCTGATCATATCAGAAAGATGATCATATCAGATATGC 974
 706 CAGTCAATATAATTTTTTACATCATATAATTAACCATACAGATCTGAGCCCTGAAAT 765
 975 AAGTCTGTGAATTTTTTGGACAGTATAAGTTGACCTACACAGACTTTAAGCCCTGAAAC 1034
 766 ATTTTGTGTGAGTCTGACTATGTAGTCAAAATATAAATTTCTAAAAATGAAACGCTGATA 825
 1035 ATCTTATTTGTGAGTCTGACTATGTAGTCAAAATATAAATTTCTAAAAATGAAACGCTGATA 1094
 826 CGCACACTGAAAAACACAGATATCAAAATGTTGATCTTTGGAAAGTGCACGATATGAT 885

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Job time : 865.014 secs

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Db      336  CAAAAGTAAACACAGGAGTCGCCACCACACACTTCGACGACCATTACACGGGAAGATCA 395
Qy      285  CCGAAGGAAAAGATCCAGGAGTATPAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAG 344
Db      396  CCGAAGGAAAAGATCGAGGAGTGTAGAGGATGATGAGGAGGTCACCTGATCTGTCCAGAG 455
Qy      345  TGGAGACGTTCTAAGAGCAAGATATGAANTCGTGGACACTTTGGGTGAAGAGCCTTGG 404
Db      456  TGGAGACGTTACTAAGTCCAAGATATGAAATTTGTTGATACCTTTAGGTGAAGGTGCTTTCCG 515
Qy      405  CAAAGTTGTAGTGCATTTGATCATGCGATGCGATGCGATGCGATGCGATGCGATGCGATGCGAT 464
Db      516  ABAAGTGGTGGATGCGATCATCAATAAGTGGGAGGTAGAGGTGAGCAGTAAATAATAGT 575
Qy      465  AAAAAATGTAGGCGTTTACCGTGAAGCAGCTCGTTTCAGAAATCCAAATATAGAGCACTT 524
Db      576  TAAAAATGTGATAGTACTGTGAAGCTGTCAATCGGAATACAAGTTTGGAAACACTT 635
Qy      525  AATAGTACTGATCCCAATAGTGTCTCCGATGTCGATGTCGATGTCGATGTCGATGTCGATGTCGAT 584
Db      636  GAATACAACAGACCCCATAGTACTTTCCGTTGTCGATGTCGATGTCGATGTCGATGTCGATGTCGAT 695
Qy      585  TCATGGTCATGTTTGTATTGTTGTAATGAACTACTGGGACTTTAGTACTTTACGATTTCAATTA 644
Db      696  TCGAGGTCACTTTGCAATTTGTTGAACTTCTGGGGCTTTAGTACTTTAGTACTTTCAATTA 755
Qy      645  AGAAAAACAGCTTTCTGCCATTTCAAAATGACACATCAGGAGATGCGGTATCAGATCTG 704
Db      756  GGAACACAGTTTTCTGCGCTTTTCGAAATGGATCATATCAGGAAGATGCGATATCAAAATATG 815
Qy      705  CCAGTCAATAAATTTTTTACATCATATAATAATTAACCCATACAGATCTGAAGCCCTGAAAA 764
Db      816  CAAATCTGTAAACCTTTTTTGCAATAGTAAATAATTGACTCATACAGACTTGAAGCCCTGAAAA 875
Qy      765  TATTTCTGTTGTGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAATGAAACGTGATGA 824
Db      876  CATCTTAATTTGTGAAGTCTGACTACACAGAGGCTTATATCCCAAAATGAACGTGATGA 935
Qy      825  ACGCACACTGAAAAACAAGATATCAAAGTTGTTGACTTTGGAAAGTGCACACGTATGATGA 884
Db      936  ACGTACTATAGTAAATCCAGATATTAAGTGGTGGACTTTGGAAAGTGCACACATATGATGA 995
Qy      885  TGAACATCACAGTACTTTGGTGTCTACCGGCACTACAGAGCTCCCGAGGTCACTTTTGGC 944
Db      996  TGAACACACAGCACATTTGGTATCTACAAGACATTTATAGACACCCGGAAGTTATTTTAGC 1055
Qy      945  TTTAGGTTGGTCTCAGCGCTTGTGATGTTTGAGCATAGGTTGCACTTCTTATTGAAATATTA 1004
Db      1056  CCTCGGTGGTCAAGCCATGTGATGTCGAGCATAGGATGATTTCTTATCGAGTATTA 1115
Qy      1005  CTTGGTTTTCACAGTCTTTTCAGACTCATGATAGTAAAGAGCACCTGGCAATGATGGAACG 1064
Db      1116  TCTTGGATTTACAGTTTTCGACTCATGATAGCAGGGACATTTAGCAATGATGGAAG 1175
Qy      1065  AATATTAGGACCCATACACACACATGATTCAGAAAAACAAGAAAAACGAAGTATTTTCA 1124
Db      1176  GATTCCTTGGACCACTACCAAGCACATGATACAGAAAAACAGGAACCCAGAGATATTTCCA 1235
Qy      1125  CCATAACACAGCTAGATTTGGGATGAACACAGTTCTGCTGTTGATGATGTTAGGAGACGCTG 1184
Db      1236  TCATGATCGATTAGTTGGGATGAACACAGTTCTGCTGTTGATGATGTTTCTCGGCGCTG 1295
Qy      1185  CAAACCGTTGAAGAAATTTATGCTTTGTGATGATGAAGAACATGAGAAACTGTTTGACCT 1244
Db      1296  TAAACCTCTGAAGAGTTTATGCTATCTCAGGATGCCGAAACATGAGCTTCTCTTTGACCT 1355
Qy      1245  GGTTCGAAGAAATGTAGATATGATTCMACTCAAGAAATTTACCTTGGATGAAGCATTTGCA 1304
Db      1356  CATTTGGGAAAATGTTGGAGTATGATCCCGCCAAAAGAAATTAATCTCTCAAGAAAGCCCTAAA 1415
Qy      1305  GCATCCTTTCTTCTGACTTATTAATAAAGAA 1334
Db      1416  GCATCCTTTCTTCTTACCACCTTAAAAAGCA 1445
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 3, 2005, 12:45:04 ; Search time 222.198 Seconds
(without alignments)
9830.985 Million cell updates/sec

Title: US-10-801-671-1_COPY_33_1367

Perfect score: 1335

Sequence: 1 atgtgacccctcttgaagc.....ttgactattataaaagaaa 1335

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Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries.

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6: /cgm2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1335	100.0	2354	3	US-09-810-671-1
2	1335	100.0	2354	4	US-10-109-854-1
3	1335	100.0	2354	4	US-10-339-856-1
4	1094.2	82.0	1549	4	US-09-905-999-26
5	1088.2	81.5	2446	2	US-09-016-000-9
6	638.4	47.8	2254	4	US-09-919-039-238
7	481.2	36.0	1538	4	US-09-905-999-22
8	454.8	34.1	1787	4	US-09-905-999-24
9	432.4	32.4	1762	4	US-09-016-434-1439
10	430.8	32.3	1763	4	US-09-949-016-2648
11	430.8	32.3	1763	4	US-09-949-016-2649
12	430.8	32.3	1788	4	US-09-976-594-313
13	360.2	27.0	1456	4	US-09-023-555-699
14	263	19.7	263	4	US-09-016-434-310
15	226	16.9	21234	3	US-09-810-671-3
16	226	16.9	21234	4	US-10-109-854-3
17	226	16.9	21234	4	US-10-339-856-3
18	223.2	16.7	913	4	US-09-016-434-712
19	203.4	15.2	492	4	US-09-621-976-3125
20	185.4	13.9	475	4	US-09-621-976-3124
21	123.8	9.3	378	1	US-08-700-575-2
22	95.2	7.1	2061	2	US-08-835-170-1
23	95.2	7.1	2061	3	US-09-359-257-1
24	95.2	7.1	2061	3	US-09-371-674-1
25	95.2	7.1	2327	2	US-08-835-170-3
26	95.2	7.1	2327	3	US-09-359-257-3
27	95.2	7.1	2327	3	US-09-371-674-3

28	89	6.7	621	4	US-09-248-796A-4385	Sequence 4385, Ap
29	84.8	6.4	308	4	US-09-621-976-9631	Sequence 9631, Ap
30	81.4	6.1	260	4	US-09-313-294A-2259	Sequence 2259, Ap
31	75.6	5.7	3723	4	US-09-949-016-3590	Sequence 3590, Ap
32	75.6	5.7	71251	4	US-09-949-016-15332	Sequence 15332, A
33	68.8	5.2	282	4	US-09-313-294A-1168	Sequence 1168, Ap
34	67.2	5.0	2424	4	US-09-614-221A-518	Sequence 518, App
35	66.4	5.0	466	4	US-09-513-999C-11373	Sequence 11373, A
36	66	4.9	362	4	US-09-513-999C-14437	Sequence 14370, A
37	61.8	4.6	25882	4	US-09-949-016-14390	Sequence 14391, A
38	58.6	4.4	2085	2	US-08-802-466-1	Sequence 1, Appli
39	58.6	4.4	2085	3	US-09-350-484-1	Sequence 1, Appli
40	57.8	4.3	3565	3	US-09-749-588-1	Sequence 1, Appli
41	57.8	4.3	3565	4	US-10-135-687-1	Sequence 1, Appli
42	57.8	4.3	36159	3	US-09-749-588-3	Sequence 3, Appli
43	57.8	4.3	36159	4	US-10-135-687-3	Sequence 3, Appli
44	57.8	4.3	36159	4	US-10-135-687-3	Sequence 3, Appli
45	57.2	4.3	7218	1	US-08-232-463-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1

US-09-810-671-1

; Sequence 1, Application US/09810671

; Patent No. 6455291

; GENERAL INFORMATION:

; APPLICANT: YAN, Chunhua et al

; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

; TITLE OF INVENTION: THEREOF

; FILE REFERENCE: CL000758

; CURRENT APPLICATION NUMBER: US/09/810.671

; CURRENT FILING DATE: 2001-06-08

; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 2354

; TYPE: DNA

; ORGANISM: Human

US-09-810-671-1

Query Match 100.0%; Score 1335; DB 3; Length 2354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ATGTGCATCCCTCTTGAAGCTTCGCACCTCTGTTGAAGAGGACCACTCATCCAGTCATTAT	60
Db	33	ATGTGCATCCCTCTTGAAGCTTCGCACCTCTGTTGAAGAGGACCACTCATCCAGTCATTAT	92
Qy	61	TTAGAAGCAAGGTCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTGACGAATAC	120
Db	93	TTAGAAGCAAGGTCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTGACGAATAC	152
Qy	121	AGGAATGACTACTGTGTAAGGATATGTTCTTAGACATTATCACAGAGACATTGAAAGCGGG	180
Db	153	AGGAATGACTACTGTGTAAGGATATGTTCTTAGACATTATCACAGAGACATTGAAAGCGGG	212
Qy	181	TATCGAATCCACATGTCAGTAATCTTCAGTCGCGAGGAGGAGACAGTCCTTAAAGGAAG	240
Db	213	TATCGAATCCACATGTCAGTAATCTTCAGTCGCGAGGAGGAGACAGTCCTTAAAGGAAG	272
Qy	241	CGCAATAGACACTGTTCAAGTCATCAGTCACGTTTGAAGAGCCACCAAGGAAAGATCC	300
Db	273	CGCAATAGACACTGTTCAAGTCATCAGTCACGTTTGAAGAGCCACCAAGGAAAGATCC	332
Qy	301	AGGATATAGAGGATGATGAGGAGGTACCTGATCTGTCAAGTGGAGAGCTTCTTAAGA	360
Db	333	AGGATATAGAGGATGATGAGGAGGTACCTGATCTGTCAAGTGGAGAGCTTCTTAAGA	392
Qy	361	GCAGATATGAATCGTGGACACTTTGGGTGAAGGAGCCCTTGGCAAGTTGTAGATGC	420

1113	CCACAAACACATGATTCAGAAAAACAAGAAACGCAAGTATTTTCCACATACACAGCTAGAT	1172
Db		
1141	TGGGATGAACACACAGTTCTTCGTGCTAGATATGTTAGGAGACGCTGCAAAACGGTTGAAGGAA	1200
Qy		
1173	TGGGATGAACACACAGTTCTTCGTGCTAGATATGTTAGGAGACGCTGCAAAACGGTTGAAGGAA	1232
Db		
1201	TTTATGCTTTTGTTCATGATGAAGAAACATGAGAAACTGTTTACCTCGTTTCGAAAGAAATGTTA	1260
Qy		
1233	TTTATGCTTTTGTTCATGATGAAGAAACATGAGAAACTGTTTACCTCGTTTCGAAAGAAATGTTA	1292
Db		
1261	GAATATGATCCAACTCAAAGAAATTAACCTTGGATGAAGCATTTCAGCATCCTTTCTTTGAC	1320
Qy		
1293	GAATATGATCCAACTCAAAGAAATTAACCTTGGATGAAGCATTTCAGCATCCTTTCTTTGAC	1352
Db		
1321	TTATTAAAAAAGAAA	1335
Qy		
1353	TTATTAAAAAAGAAA	1367
Db		

RESULT 4
US-09-905-999-26
; Sequence 26, Application US/09905999
; Patent No. 6797513
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, Axel
; APPLICANT: NAYLER, Oliver
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/09/905,999
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286
; PRIOR FILING DATE: 1996-12-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 26
; LENGTH: 1549
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-905-999-26

Query Match	82.0%;	Score 1094.2;	DB 4;	Length 1549;
Best Local Similarity	90.8%;	Pred. No. 0;		
Matches 1165;	Conservative	0;	Mismatches 118;	Indels 0; Gaps 0;
QY	53	GTCAATTATTAGAACGACAGGTCCTTGAATGACGACGAGATTATCGGACCGGAGATACGTTG	112	
DB	239	GTCACTATTTAGAACGACAGATGCTTGAATGAGAGATATTCGGACCGGAGATACATTG	298	
QY	113	ACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTTATCACAGACATTTG	172	
DB	299	ATGAATACAGAAATGACTACTTCGGAAGGATATGTTTCCAAGACATTTACCATAGAGACGTTG	358	
QY	173	AAAGCGGTATCGAATTCACATGTCAGTAAATCTTCAGTCGGACGACGAGAGACGATCCCTA	232	
DB	359	AAAGCACTTACCGGATCCATTTGCAGTAAATCCTCAGTCAGGAGCAGGAGAGACGCCCTTA	418	
QY	233	AAAGGAAGCGCAATAGACACTGTTTCAAGTCATCAGTCACGTTCGGAAGGACCCACCGAAGGA	292	
DB	419	AGAGAAAGCGTAAATAGACCCCTGTGCAGTCATCAGTCGCATTCGAAGAGCCACCGAAGGA	478	
QY	293	AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTTCACTGATCTGTCAAAGTCGAGACG	352	
DB	479	AAAGATCCAGGAGTATAGAGGATGATGAGGAGGGTCACCTGATCTGTCAAAGTCGAGACG	538	
QY	353	TTCTAAGACCAAGATATGAAATCGTGGACACTTTTGGGTGAAGGACCTTTTGCAAAAGTTG	412	
DB	539	TTCTAAGACCAAGATATGAAATCGTGGACACTTTTAGTGGAAGGACCTTTTGCAAAAGTTG	598	

RESULT 5
US-09-016-000-9
; Sequence 9, Application US/09016000
; Patent No. 5962232
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti

Qy	413	TAGAGTGCATTTGATCATGCGATGGATGCGATGTCATGTAGCAGTGAAGTCTGAAAAATG	472
Db	599	TAGAGTGCATTTGATCATCGGATGGATGGCTTACATGTAGCAGTGAAGTCTGAAAAATG	658
Qy	473	TAGGCCGTTTACCGTGAAGCAGCTCGTTCCAGAAATCCAAAGTATTAGAGCACATTAAGTAGTA	532
Db	659	TAGGAAGTTTACCGGAGGCGAGCTCGTTCTGGAATCCAAAGTATTGAGCACATTAAGTAGTA	718
Qy	533	CTGATCCCAATAGTGTCTTCCGATGTGTCAGATGCTAGATGGTTCATCATCATGTC	592
Db	719	CTGACCCCAACAGTGTCTTCCGATGCTGCAGATGCTAGAGTGGTTCATCATCATGTC	778
Qy	593	ATGTTTGTTATTTGGTTTGAACCTACTCGGAGCTTAGTACTTTACGATTTCAATTAAGAGAAAAACA	652
Db	779	ATGTTTGTTATTTGGTTTGAAGCTGCTGGAGCTTAGTACTTTAGTACCTATGATTTTATTAAGAGAAAAATA	838
Qy	653	GCTTTCTGCCATTTCAAAATGACCAATCAGGCGAGATGGCGTATCAGATCTGCCAGTCAA	712
Db	839	GTTTCTCTGCCATTTCAAAATGATCAATCAGGCAATGGCTTATCAGATCTGCCAGTCTA	898
Qy	713	TAAATTTTTTACATCATATAAATTAACCCATACAGATCTGAAGCCTGAAAAATATTTTGT	772
Db	899	TAAATTTTTTACATCATATAAATTAACCAACAGCGACCTAACAACCTGAAAAATATTTTAT	958
Qy	773	TTGTGGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAAAATGAAACGTGATGAACGGCACAC	832
Db	959	TTGTGGAAGTCTGACTATGTAGTCAAAATATAAATTTCTAAAAATGAAACGAGATGAACGGCACAT	1018
Qy	833	TGAAAAACAACAGATATCAAAAGTTGTGACTTTTGGGAAGTGCACGATATGATGTAACATC	892
Db	1019	TGAAAAACAACAGATATCAAAAGTTGTGATTTTGGGAAGTGCACATATGACGACGAACATC	1078
Qy	893	ACAGTACTTTTGGTGTCTACCCGGCACCTACAGAGCTCCCGAGGTCAATTTTGGCTTTTAGGTT	952
Db	1079	ATAGTACTTTTGGTGTCTCACAGGCACCTACAGGCTCCAGAGGTCAATTTTGGCTTCTAGGTT	1138
Qy	953	GGTCTCAGCCTTTGTGATGTTTGGAGCATAGGTTGCAATCTTATTTGTAATATTAATCTTTGGTT	1012
Db	1139	GGTCTCAGCCTTTGTGATGTTTGGAGCATAGGCTGCAATCTTATTTGAGTACTACTTTGGGT	1198
Qy	1013	TCACAGTCTTTTACAGCTCATGATAGTAAAGAGACACCTGGCAATGATGGAGCAAGTAATTAG	1072
Db	1199	TCAAGTCTTTTACAGCCACAGATAGTAAAGAGACACCTGGCAATGATGGAGCGGATCTTAG	1258
Qy	1073	GACCCATACCAACACATGTTTACAGAAACAGAAACCGCAAGTATTTTTCACCATAAACC	1132
Db	1259	GACCCATCCAGCATATGATCAGAAAGACAGAAACCGCAAGTATTTTTCACCATAAACC	1318
Qy	1133	AGCTAGATTGGGATGAAACACAGTTCTGCTGGTATGATATGTTAGGAGACGCTGCAAAACCGT	1192
Db	1319	AGCTAGATTGGGACGAGCATAGTTTTCAGCTGGAGATATGTTAGGAGACGCTGCAAAACCGT	1378
Qy	1193	TGAAGGAATTTATGTTTGTTCATGATGAGAAACATGAGAAACCTGTTTTCAGCTGGTTCGAA	1252
Db	1379	TAAAGGAATTTATGCTGTGTCATGACGAAGAGCATGAGAAAGCTGTTTTCAGCTGGTTCGAA	1438
Qy	1253	GAACTGTAGATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCATTTGCAGCATCCTT	1312
Db	1439	GAACTGTGTGATATGACCCAGGAGAGGATCACTTGGATGAAGCATTTGCAGCACCTT	1498
Qy	1313	TCCTTGACTTATTAATAAGAAA	1335
Db	1499	TCTTTGACTTATTAATAAGAAA	1521

RESULT 5
US-09-016-000-9
; Sequence 9, Application US/09016000
; Patent No. 5962232
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti

QY 542 ATAGTGTCTCCGATGTGTCAGATGCTAGAAATGGTTTGATCATCATGTCATGTTTGTA 601
Db |||||
QY 602 TTGTGTTTGAACACTCTGGGACTTAGTACTTACGATTTTCAATGAAGAAACAGCTTCTGC 661
Db |||||
QY 662 CATTTCAAAATGACCATCAGGAGATGGCGTATCAGATCTGCGAGTCAATAAATTTT 721
Db |||||
QY 722 TACATCATATAATTAACCATACAGATCTGAAGCCTGAAATATATTTTGTGTGAAGT 781
Db |||||
QY 782 CTGACTATGTAGTCAAAATATAATTTCTAAATGAACGTGATGAACGCACACTGAAGAACA 841
Db |||||
QY 842 CAGATATCAAAAGTTGTGACTTTGGAAGTGAACGTATGATGAACATCAGAGTACTT 901
Db |||||
QY 902 TGTGTCTACCGGACTACAGAGCTCCGAGGTCAATTTGGCTTTAGTTGGTCTCAGC 961
Db |||||
QY 962 CTGTGATGTTTGGAGCATAGGTGCAATCTTATGAATATACCTTGGTTTCAAGTCT 1021
Db |||||
QY 1022 TTCAAGTCTCATGATAGTAAAGAGCAGCTGGCAATGATGGAACGAATATAGGACCCATAC 1081
Db |||||
QY 1082 CACAACATGATTCAGAAACAAAGAAACGCAAGTATTTTCAACCAATCAACAGCTAGATT 1141
Db |||||
QY 1142 GGGATGAACAGCTTCTGCTGTTAGATATGTTTAGGAGACCTGCAACCGTTGAAGAAAT 1201
Db |||||
QY 1202 TTATGCTTTGTCATGATGAAGAACATGAGAAACTGTTTGACCTGTTTGAAGAAATGTTAG 1261
Db |||||
QY 1262 AATATGATCAACTCAAGAAATTAACCTTGGATGAAGCAATTCAGCAATCTTCTTTGACT 1321
Db |||||
QY 1321 AGTATGAGCTGTGTAAGCGCTGACCTTAGTGAAGCCCTTCAAGCATCTTCTTGCCT 1462

RESULT 8

US-09-905-999-24
; Sequence 24, Application US/09905999
; Patent No. 6797513
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, Axel
; APPLICANT: NAYLER, Oliver
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/09/905,999
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286
; PRIOR FILING DATE: 1996-12-19

; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 24
; LENGTH: 1787
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-905-999-24

Query Match 34.1%; Score 454.8; DB 4; Length 1787;

Best Local Similarity 65.0%; Pred. No. 4.6e-133;

Matches 672; Conservative 0; Mismatches 362; Indels 0; Gaps 0;

QY 285 CCAGAGAAAGATCCAGGATATAGAGATGATGAGGAGGTCACCTGATCTGTCAAAG 344
Db |||||
QY 447 CAGTAAGCGCAGCAGCGGAGTGTGGAAGATGACAAAGGAGGCCACCTGGTGTGCCGAT 506
Db |||||
QY 345 TGGAGACGTTCTAAGAGCAAGATATGAAATCGTGGACACTTTGGGTGAAGAGCCTTTGG 404
Db |||||
QY 507 CGCGATTGGCTCCAAGAGCGATATGAGATCTGTGGGAACCTGGGTGAAGAGCCTTTGG 566
Db |||||
QY 405 CAAAATGTAGAGTGCATTGATCATGGCATGGATGGCATGCATGTAGCAGTGAAATCGT 464
Db |||||
QY 567 CAAGTGGTGGAGTGTCTGGACCATCCAGAGGGAAGTCAAGGTTGCCCTGAAGATCAT 626
Db |||||
QY 465 AAAAAATAGTGGCGTTACCGTGAAGCAGCTCGTTCAAGAAATCCAAGTATAGAGCACTT 524
Db |||||
QY 627 CCGTAATGTGGGCAAGTATCGGGAAGTCTCGTCTAGAAATTAATGTTCTCAAGAAAT 686
Db |||||
QY 525 AATAGTACTGATCCCAATAGTGTCTTCGATGTGTCCAGATGTCCAGATGCTAGAATGGTTGATCA 584
Db |||||
QY 687 CAAGGAGAAGACAGGAAATTAAGTTCCTTGTGCTGATGTCTGACTGGTTCAACTT 746
Db |||||
QY 585 TCATGCTCATGTTTGTATTGTGTGAACTACTGGGACTTTAGTACTTACGATTTTCAATA 644
Db |||||
QY 747 CCATGCTCATATGTGCATCGCTTTGAGCTCTCTGGCAAGAACACCTTTGAGTTCTCGAA 806
Db |||||
QY 645 AGAAACAGCTTCTCGCATTTTCAAAATTTGACACATCAGGCAGATGGCGTATCAGACTGT 704
Db |||||
QY 807 GGAGAACAACTTCAGCGCTTACCCCTTACCCATGCCACATGTCCGACATGGCCTACCACTGTG 866
Db |||||
QY 705 CCAGTCAATAAATTTTATCATCATATAAATTAACCATACAGATCTGAAGCCTGAATA 764
Db |||||
QY 867 TCATGCCCTTAGATTTCTACAGAACCCAGCTGACCCACACAGATTTGAAGCCAGAGAA 926
Db |||||
QY 765 TATTTGTTTGTGAAGTCTGACTATATAGTCAATATAATTTCTAAATGAAGCTGTATGA 824
Db |||||
QY 927 CATCTTTTGTGAATCTGAGTTTGAACCTCTACATGAGCACAAGAGCTGCGAGGA 986
Db |||||
QY 825 AGCACACTGAAGAAACACAGATATCAAGTGTGTGACTTTGGAAAGTGAACGTAATGATGA 884
Db |||||
QY 987 GAAGTCAGTGAAGAACACCAAGCATCCGAGTGGCAGACTTTGGCAGTGCACCGTTTGACCA 1046
Db |||||
QY 885 TGAACATCACAGTACTTTCGTTGCTACCGGCACTACAGAGCTCCCGAGCTCAATTTGGC 944
Db |||||
QY 1047 TGAACATCACACCACTTGGGCCACCTGCTACCGGCCACCTGAGGTGATCTTTGA 1106
Db |||||
QY 945 TTTAGGTGTGCTCAGCCTTTGTGATGTTTGGAGCATAGTTGATCTTTTAAATATTA 1004
Db |||||
QY 1107 GCTGGCTGGGCACAGCTTTGTGATGCTGAGTATCGGCTGATCTCTTTGAGTACTA 1166
Db |||||
QY 1005 CTTGTTTTCACAGTCTTTTCAGACTCATGATGATGAAGAGCAGCTGGCAATGATGGAACG 1064
Db |||||
QY 1167 CCGTGGCTTACACTCTTCAGACCCATGAAATATAGAAACACTTTGGTATGATGGAGAA 1226
Db |||||
QY 1065 AATATTAGGACCCATACCAACACATGATTCAGAAACCAAGAAACGCAAGTATTTTCA 1124
Db |||||
QY 1227 GATTTAGGACCCATCCCATCACATGATCCACCGTACAGGAAGCAGAAATATTTCTA 1286
Db |||||
QY 1125 CCATACCAAGCTAGATTGGGATGAACACAGTTCCTGCTGTTAGTATATGTTAGGAGAGCTG 1184
Db |||||
QY 1287 CAAAGGGGCGCTGTTTGGGATGAGAACAGTCTGATGGCGGTATGTGAGAGAGACTG 1346
Db |||||
QY 1185 CAAACCGTTGAAGGAATTTTATGCTTTGTCATGATGAAGAACATGAGAAACACTGTTGACCT 1244

; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2648
; LENGTH: 1763
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2648

Query Match 32.3%; Score 430.8; DB 4; Length 1763;
Best Local Similarity 63.5%; Pred. No. 1.8e-125;
Matches 657; Conservative 0; Mismatches 377; Indels 0; Gaps 0;

QY 285 CCGAAGGAAAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCCACTGATCTGTCAAAG 344
DB |||||
QY 440 CAGTAAGCGCAGCAGCGAGTGTGGAAGATGACAAGGAGGGTCACTGTGTGCCGAT 499
DB |||||
QY 345 TGGAGAGCTTCTAAGACACAGATATGAATCGTGGACACTTTGGGTGAAGAGCCTTTGG 404
DB |||||
QY 500 CGCGGATTTGGCTCAAGAGCGATATGAGATTTGGGGAACTTGGGTGAAGGCACCTTTGG 559
DB |||||
QY 405 CAAAGTTGTAGAGTGCATTCATGCGCATGCGATGCGCATGCGATGCGATGCGATGCGATGCGAT 464
DB |||||
QY 560 CAGGTGTGTGAGTGTCTTGACCATGCGAGGGAAGTCTCAGGTGCCCTGAAGATCAT 619
DB |||||
QY 465 AAAAAATGTAGGCGGTTCACCGTGAAGCAGCTCGTTTCAGAAATCAAGTATTAGAGCACTT 524
DB |||||
QY 620 CCGCAAGCTGGGCAAGTACCGGAGGCTGCGCGCTAGAAATCAACGTGTCAAAGAAAT 679
DB |||||
QY 525 AATAGTACTGATCCCAATAGTGTCTCCGATGTGTCCAGATGTCTAGAAATGGTTGATCA 584
DB |||||
QY 680 CAAAGGAGAAGGACAAAGAAACAAAGTTCTGTGTCTGTGTCTGTGTCTGTGTCTGTGTCTGTGT 739
DB |||||
QY 585 TCATGTT 644
DB |||||
QY 740 CCAGGTTCATGTGCTATGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTG 799
DB |||||
QY 645 AGAAACAGCTTTCTGCTGCTTTTCAAAATTTGACCATGAGGAGTGGCGTATCAGATCTG 704
DB |||||
QY 800 GGAGATAACTTCAGGCTTTACCCCTTACCACATGTCCGACATGCGCTACCGCTCTG 859
DB |||||
QY 705 CAGTCAATAAATTTTATCATATAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 764
DB |||||
QY 860 CCACGCTTTAGATTTCTGATGAGATTCAGCTGACCCATACAGACTTGAAGCCAGAGAA 919
DB |||||
QY 765 TATTTGTT 824
DB |||||
QY 920 CATCTGTT 979
DB |||||
QY 825 ACGCACACTGAAAAACACAGATATCAAAGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 884
DB |||||
QY 980 GAAGTCAGTCAAGAACACAGCATCCGAGTGGCTGACTTTGGCAGTCCCAATTTGACCA 1039
DB |||||
QY 885 TGAACATCAAGTACTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 944
DB |||||
QY 1040 TGAGCACCAACACCACTTTGGCCACCCGCTCACTATCGCCCGCTGAGGTGATCTCTGA 1099
DB |||||
QY 945 TTTAGTT 1004
DB |||||
QY 1100 GCTGGGTGCGCAGCCCTGTGACGCTGTGAGCAITGGCTGCAATCTCTTTGAGTACTA 1159
DB |||||
QY 1005 CCTTGGTTTCAAGTCTTCTCAGACTCATGATAGTAAAGAGCACCCTGGCAATGATGGAACG 1064
DB |||||
QY 1160 CCGGGGCTTCACTCTTCCAGACCCACGAAACCCGAGAGCACTGTGTGATGATGAGAA 1219
DB |||||
QY 1065 AATATTAGGACCCCATACCAACACATGATTTCAGAAAAACGAAACGCAAGTATTTTCA 1124
DB |||||

DB 1220 GATCCTAGGCCCCATCCATCACACATGATCCACCGTACCAGGAAGCAGAAATATTCTA 1279
QY |||||
DB 1125 CCATAACCCAGTATGGGATGAACACACAGTCTTCTGTGGTAGATATCTTAGGAGACGCTG 1184
QY |||||
DB 1280 CAAAGGGGCTAGTTTGGGATGAGAACAGCTCTGACGGCGGTATGTGAAGGAGAACTG 1339
QY |||||
DB 1185 CAAACCGTTGAAGGAATTTATGCTTGTCTATGATGAAGAAACATGAGAACTGTTGACCT 1244
QY |||||
DB 1340 CAAACCTCTGAAGATTTACATGCTCCAAGACTCCCTGGAGCAGGTGACGTGTTGACCT 1399
QY |||||
DB 1245 GGTTCGAAGAATGTTAGAATATCATCAACTCAAGAATTTACCTTGATGAAGCATTGCA 1304
QY |||||
DB 1400 GATGAGGAGATGTTAGAATTTGACCTGCCAGCGCATCACACTGGCCGAGGCCCTGCT 1459
QY |||||
DB 1305 GCATCCTTTCTTTG 1318
QY |||||
DB 1460 GCACCCCTTCTTTG 1473

RESULT 11

US-09-949-016-2649
; Sequence 2649, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2649
; LENGTH: 1763
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2649

Query Match 32.3%; Score 430.8; DB 4; Length 1763;
Best Local Similarity 63.5%; Pred. No. 1.8e-125;
Matches 657; Conservative 0; Mismatches 377; Indels 0; Gaps 0;

QY 285 CCGAAGGAAAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACTGATCTGTCAAAG 344
DB |||||
QY 345 TGGAGAGCTTCTAAGAGCAAGATATGAATCGTGGACACTTTGGGTGAAGAGCCTTTGG 404
DB |||||
QY 500 CGCGGATTTGGCTCAAGAGCGATATGAGATTTGGGGAACTTGGGTGAAGGCACCTTTGG 559
DB |||||
QY 405 CAAAGTTGTAGAGTGCATTCATGCGCATGCGATGCGCATGCGATGCGATGCGATGCGATGCGAT 464
DB |||||
QY 560 CAGGTGTGTGAGTGTCTTGACCATGCCAGAGGGAAGTCTCAGGTGCCCTGAAGATCAT 619
DB |||||
QY 465 AAAAAATGTAGGCGGTTCACCGTGAAGCAGCTCGTTTCAGAAATCAAGTATTAGAGCACTT 524
DB |||||
QY 620 CCGCAAGCTGGGCAAGTACCGGAGGCTGCGCGCTAGAAATCAACGTGTCAAAGAAAT 679
DB |||||
QY 525 AATAGTACTGATCCCAATAGTGTCTCCGATGTGTCCAGATGTCTAGAAATGGTTGATCA 584
DB |||||
QY 680 CAAAGGAGAAGGACAAAGAAACAAAGTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 739
DB |||||
QY 585 TCATGTT 644
DB |||||
QY 740 CCAGGTTCATGTGCTATGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTG 799
DB |||||

645 AGAAACACAGCTTTCTGCGCAATTTCAAATTTGACCAATCATAGGAGATGGCGTATCAGATCTG 704
 800 GGAGAAATTAATTTCCAGCTTACCCCTTACCAATGTCGCGCAGCATGGCGCTTACCAAGCTCTG 859
 705 CCAGTCAATAAATTTTACATCATATAAATTTAAATTTACAGATCTGAAAGCTTGAATA 764
 860 CCACGCCCTTGAATTTCTGATGAGAAATCAGCTGACCCATACAGATCTGAAACCCAGAA 919
 765 TATTTTGTGTGAAAGTCTGATCTGATGATGATGATGATGATGATGATGATGATGATGATG 824
 920 CATCTGTTGTGAAATTTCTGAGTTTGAATTTGAAATTTGAAATTTGAAATTTGAAATTTG 979
 825 AGCACTGAAACACACAGATATCAAAGTTGTGACTTTGAAAGTGTGAAAGTGTGAAAGTGT 884
 980 GAAAGTCAAGTGAAGAACACACAGATCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1039
 885 TGAACATACAGTACTTTGCTGCTACCCGCACTACAGATCTGCGAGGTCAATTTTGGC 944
 1040 TGAGCACCAACCAACCAATTTGTGGCCACCCGTCATCTGCGCCGCTGAGGTGATCCTTGA 1099
 945 TTTAGGTGGTCTCAGCCTTTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1004
 1100 GCTGGGCTGGGCAAGCCCTGTGACGTCTGAGCATTTGGCTGCTGCTGCTGCTGCTGCTGCT 1159
 1005 CTTGGTCTCAGCTCTTTCAGACTCATGATAGTAAAGAGACCTGGCAATGATGGAACG 1064
 1160 CCGGGGCTTACACTCTTTCAGACCCCAAGAACCCGAGACCTGGTGTGATGAGAGAA 1219
 1065 AATATTAGGACCATACCAACACATGATTTAGAAATTTAGAAATTTAGAAATTTAGAAATTT 1124
 1220 GATCTAGGGCCCATCCATCATACATGATCCACCGTACAGGAGACGAAATATTCTTA 1279
 1125 CCATAACCACTAGATGGAGTGAACACAGTCTCTGCTGTGATGATGATGATGATGATGATG 1184
 1280 CAAAGGGGGCTAGTTTGGGATGAGAACAGCTCTGACGGCCGATGATGAGAGAACTG 1339
 1185 CAAACCGTTCAAGGAATTTATGCTTTGTCATGATGAGAACATGAGAACTGTTTCACTT 1244
 1340 CAACCTCTGAGAGTTTACATGCTCCAGACTCCCTGGAGACGTCGACGCTGTTGACCT 1399
 1245 GGTTCGAAGATGTTAGAAATATGATCCAACTGAAGAAATTTACCTTGGATGAGCATGCA 1304
 1400 GATGAGGAGATGTTAGAAATTTGACCTGCGCCAGCATCACACTGGCCGAGGCCCTGCT 1459
 1305 GCATCCTTCTTTG 1318
 1460 GCACCCCTTCTTTG 1473

RESULT 12
 ; Sequence 313, Application US/09976594
 ; Patent No. 6673549
 ; GENERAL INFORMATION:
 ; APPLICANT: Furness, Michael
 ; APPLICANT: Buchbinder, Jenny
 ; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
 ; FILE REFERENCE: PA-0041 US
 ; CURRENT APPLICATION NUMBER: US/09/976,594
 ; CURRENT FILING DATE: 2001-10-12
 ; PRIOR APPLICATION NUMBER: 60/240,409
 ; PRIOR FILING DATE: 2000-10-12
 ; NUMBER OF SEQ ID NOS: 1143
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 313
 ; LENGTH: 1788
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. 6673549 001622CB1
 US-09-976-594-313

Query Match 32.3%; Score 430.8; DB 4; Length 1788;
 Best Local Similarity 63.5%; Pred. No. 1.8e-125;
 Matches 657; Conservative 0; Mismatches 377; Indels 0; Gaps 0;
 285 CCGAAGGAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAG 344
 456 CAGTAAGCGCAGCGAGGTGTGGAAGATGCAAGGAGGGTCACCTGGTGTCCCGAT 515
 345 TGGAGAGCTTCTAAGAGCAAGATATGAAATCGTGGACACTTTGGGTGAAGAGGCTTTGG 404
 516 CGGCGATTGGCTCCAGAGCGATATGAGATTGTGGGAACTGGGTGAAGGACCTTTGG 575
 405 CAAAGTTGTAGAGTGCATTCATCATGCGATGGATGGCATGCGATGTAGCAGTGAATTCGT 464
 576 CAAGTGTGTGAGTGTCTGGACCATGTCAGAGGGAAGTCTCAGTTTCCCTGGAAGATCAT 635
 465 AAAAAATGTAGGCCGTTTACCGTGAAGCAGCTCGTTTCAGAAATCCAAGTATTAGAGCACTT 524
 636 CCGCAACGTGGGCAAGTACCGGAGGCTGCCCGCTAGAAATCAACGTCTCAAAAAAT 695
 525 AATAGTACTGATCCCAATAGTGTCTTCCGATGTGTCCAGATGTGTCCAGATGTAGAAATGGTTTGA 584
 696 CAGGAGAGGACCAAGAAACAAGTTCTCTGTGTCTTGTGATGTCTGACTGGTTCAACTT 755
 585 TCATGTCATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 644
 756 CCAGGTCACATGTGCTCGCTTTGAGCTCTCGGCAAGAACACCTTTGAGTTGTTCTGTA 815
 645 AGAAACAGCTTCTGCCATTTCAAATTTGACCAATCAGGCGAGATGGCGTATCAGATCTG 704
 816 GGAGATTAATCTTCAGCTTTACCCCTTACCAATGTCGCGCACATGGCTACCAGCTCTG 875
 705 CCAGTCAAATAATTTTTCATATAATAATAATAATAATAATAATAATAATAATAATAATAATA 764
 876 CCAGCCCTTGAATTTCTGATGAGATCAGCTGACCCATACAGACTTTGAAACCCAGAA 935
 765 TATTTTGTGTGAGTCTGACTAGTCAATAATAATAATAATAATAATAATAATAATAATAATA 824
 936 CATCTGTTGTGAAATTTCTGAGTTTGAACCTCTCAATGAGCACAGAGCTGTGAGGA 995
 825 AGGCACACTGAAAAACACAGATATCAAAGTTGTGCACTTTGGAAGTGAACCTATGATGA 884
 996 GAAGTCAGTGAAGAACACCAGCATCCGAGTGGCTGACTTTGGCAGTGGCCACTTTTGGC 944
 885 TGAAACATCAGTACTTTGGTGTCTACCGGCGACTACAGAGCTCCGAGGTTCATTTTGGC 1004
 1056 TGAGCACCAACACCAATTTGTGGCCACCGCTCCTATCGCCCGCTGAGTGTCTTGA 1115
 945 TTTAGTGTGCTCTCAGCCCTTGTGATGTTTGGAGCATAGGTTGCTATTTTATGAAATATTA 1004
 1116 GCTGGGCTGGGACAGCCCTGTGACGTCTGGAGCATTTGGCTGCAATTTCTTTTGGTACTA 1175
 1005 CTTGGTTCACAGTCTTTTCAGATCATGATGATGATGATGATGATGATGATGATGATGATG 1064
 1176 CCGGGGCTTCACTCTTCCAGACCCACGAAACCCGAGAGCAGCTGGTGTGATGATGAGAA 1235
 1065 AATATTAGGACCATACCAACACATGATTTAGAAATTTAGAAATTTAGAAATTTAGAAATTT 1124
 1236 GATCTTAGGGCCCATCCCATCAATGATTCACCGTACAGGAGACGAAATATTCTTA 1295
 1125 CCATAACCACTAGATTTGGGATGAACACAGTTCCTGCTGTGATGATGATGATGATGATGATG 1184
 1296 CAAAGGGGCTTGTGGATGAGAAACAGCTCTGACGCGCGGTATGTGAAAGAGAACTG 1355
 1185 CAAACCGTTGAAGGAATTTATGCTTTGTCATGATGAGAACATGAGAAATCTGTTTGAACCT 1244
 1356 CAAACCTCTGAAGAGTTTACATGCTCCAGACTCCCTGGAGACGTCGACGCTGTTGACCT 1415
 1245 GGTTCGAAGATGTTAGAAATATGATCCAACTGAAGAAATTTACCTTGGATGAGCATGCA 1304
 1416 GATGAGGAGATGTTAGAAATTTGACCTGCGCCAGCATCACACTGGCCGAGGCCCTGCT 1475
 1305 GCATCCTTCTTTG 1318


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Db 1476 GCACCCCTCTTG 1489
|||||
RESULT 13
US-09-023-655-699
; Sequence 699, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 699:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1456 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: HNT2AGT01
; CLONE: 488842
US-09-023-655-699
Query Match 27.08; Score 360.2; DB 4; Length 1456;
Best Local Similarity 99.21; Pred. No. 3.7e-103;
Matches 362; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 971 TTTGGACATAGGTTGCATTCTTATTGAATATTACCTTGGTTTCACAGTCTTTTCAGACTC 1030
Db 262 TGTAGCGCATAGGTTGCATTCTTATTGAATATTACCTTGGTTTCACAGTCTTTTCAGACTC 321

Qy 1031 ATGATAGTAAAGAGCACCTCGCAATGATGGAACGAATATTAGGACCCATACCAACACACA 1090
Db 322 ATGATAGTAAAGAGCACCTCGCAATGATGGAACGAATATTAGGACCCATACCAACACACA 381

Qy 1091 TGATTGAGAAACAGAGAAACGCAAGTATTTCACCATACCAAGCTAGATTGGATGAAC 1150
Db 382 TGATTGAGAAACAGAGAAACGCAAGTATTTCACCATACCAAGCTAGATTGGATGAAC 441

Qy 1151 ACAGTTCTCGTGTAGATATGTTAGGAGACGCTGCAACCGTTGAAGGAATTTATGCTTT 1210
Db 442 ACAGTTCTCGTGTAGATATGTTAGGAGACGCTGCAACCGTTGAAGGAATTTATGCTTT 501
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Qy 1211 GTCATGATGAAGAACATGAGAACTGTTTGACCTGGTTTGAAGAACTGTTAGATATGATC 1270
Db 502 GTCATGATGAAGAACATGAGAACTGTTTGACCTGGTTTGAAGAACTGTTAGATATGATC 561

Qy 1271 CAACTCAAAGAATTACCTTGGATGAAGCAATGTCAGCATCTTTCTTTGACTTATTAATAA 1330
Db 562 CAACTCAAAGAATTACCTTGGATGAAGCAATGTCAGCATCTTTCTTTGACTTATTAATAA 621

Qy 1331 AGAAA 1335
Db 622 AGAAA 626
|||||
RESULT 14
US-09-016-434-310
; Sequence 310, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 310:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 263 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: PROSNOT20
; CLONE: 1819167
US-09-016-434-310
Query Match 19.7%; Score 263; DB 4; Length 263;
Best Local Similarity 100.0%; Pred. No. 7.5e-73;
Matches 263; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1068 ATTAGACCCATACCAACACATGATTCAGAAAACGCAAGTATTTTCACCA 1127
Db 1 ATTAGACCCATACCAACACATGATTCAGAAAACGCAAGTATTTTCACCA 60

Qy 1128 TAACAGCTAGATTGGATGAACACAGTTCTGCTGTAGATATGTTAGGAGACGCTGCAA 1187
Db 61 TAACAGCTAGATTGGATGAACACAGTTCTGCTGTAGATATGTTAGGAGACGCTGCAA 120
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Thu Aug 4 11:19:26 2005

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QY 1188 ACCGTTGAGGAATTTATGCTTTGTCATGATGAAGACATGAGAACTGTTTGACCTGGT 1247
Db 121 ACCGTTGAAGGAATTTATGCTTTGTCATGATGAAGACATGAGAACTGTTTGACCTGGT 180
QY 1248 TCGAAGAATGTTAGAAATATGATCCAACTCAAAGAATTACCTTGGATGAAGCAATTGCAGCA 1307
Db 181 TCGAAGAATGTTAGAAATATGATCCAACTCAAAGAATTACCTTGGATGAAGCAATTGCAGCA 240
QY 1308 TCGTTTCTTTGACTTATTAATAA 1330
Db 241 TCGTTTCTTTGACTTATTAATAA 263

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RESULT 15
US-09-810-671-3
; Sequence 3, Application US/09810671
; Patent No. 6455291
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810,671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 21234
; TYPE: DNA
; ORGANISM: Human
US-09-810-671-3

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Query Match 16.9%; Score 226; DB 3; Length 21234;
Best Local Similarity 100.0%; Pred. No. 6.5e-60;
Matches 226; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 51 CAGTCATTATTAGAACGAGGTCCTTGAATGAGCGAGATTATCGGACCGGAGATACGT 110
Db 3116 CAGTCATTATTAGAACGAGGTCCTTGAATGAGCGAGATTATCGGACCGGAGATACGT 3175
QY 111 TGACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGAGACAT 170
Db 3176 TGACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGAGACAT 3235
QY 171 TGAAGCGGGTATCGAATCCACTGCGAGTAAATCTTCAGTCCGACGAGGAGAGCAGTCC 230
Db 3236 TGAAGCGGGTATCGAATCCACTGCGAGTAAATCTTCAGTCCGACGAGGAGAGCAGTCC 3295
QY 231 TAAAGGAGCGCAATACACACTGTTCAAGTCATCAGTCACGTTTCG 276
Db 3296 TAAAGGAGCGCAATACACACTGTTCAAGTCATCAGTCACGTTTCG 3341

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Search completed: August 3, 2005, 19:44:07
Job time : 225.198 secs

	Query Match	100.0%	Score 2354;	DB 9;	Length 2354;
	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 2354;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
y	1	GCCAGCTGGGTTACTTTAAAAACATGCTCCATGTCATCCCTCTTTGAAGCTTCGCACT	60		
b	1	GCCAGCTGGGTTACTTTAAAAACATGCTCCATGTCATCCCTCTTTGAAGCTTCGCACT	60		
y	61	CTGTTGAAGAGGACACTCATCCCAAGTCATTATTTAGAAGCAAGGTCCTTGAATGAGGAG	120		

Sequence 26, Appl
Sequence 36, Appl
Sequence 138, App
Sequence 3, Appl
Sequence 3, Appl
Sequence 3, Appl
Sequence 3, Appl
Sequence 26213, A
Sequence 136, App
Sequence 3, App
Sequence 1, Appl
Sequence 1175, Ap
Sequence 139, App
Sequence 140, App
Sequence 6410, Ap
Sequence 10, Appl
Sequence 4213, Ap
Sequence 238, App
Sequence 121, App
Sequence 121, App
Sequence 9448, Ap
Sequence 2, Appl
Sequence 266, App
Sequence 2190, Ap
Sequence 131, App
Sequence 131, App
Sequence 2725, Ap
Sequence 22, Appl
Sequence 22, Appl
Sequence 16, Appl
Sequence 26266, A
Sequence 133, App
Sequence 89, Appl
Sequence 24, Appl
Sequence 4, Appl
Sequence 137, App
Sequence 134, App
Sequence 1439, Ap
Sequence 2256, Ap
Sequence 1435, Ap

Db 61 CTGTTGAAGAGGACACTCATCCAGTCATTATTTAGAAAGCAAGTGCCTTGAATGAGCGAG 120
Qy 121 ATTATCGGACCGGAGATACGTTTGACGAATACAGGAATGACTACTGTGAGGATATGTTTC 180
Db 121 ATTATCGGACCGGAGATACGTTTGACGAATACAGGAATGACTACTGTGAGGATATGTTTC 180
Qy 181 CTAGACATTTATCACAGAGACATTTGAAGCGGGTATCGAAATCCACATCGAGATTAATCTTCAG 240
Db 181 CTAGACATTTATCACAGAGACATTTGAAGCGGGTATCGAAATCCACATCGAGATTAATCTTCAG 240
Qy 241 TCCGACGAGGAGACAGTCTCTAAAGCAAGCGCAATAGACACTGTTCAAGTCATCAGT 300
Db 241 TCCGACGAGGAGACAGTCTCTAAAGCAAGCGCAATAGACACTGTTCAAGTCATCAGT 300
Qy 301 CAGGTTTGAAGAGCCACCGAAGGAAAGATCAGGAGATAGAGGATGATGAGGAGGGTC 360
Db 301 CAGGTTTGAAGAGCCACCGAAGGAAAGATCAGGAGATAGAGGATGATGAGGAGGGTC 360
Qy 361 ACCTGATCTGTCAAAAGTGAGAGAGCTTCTAAAGCAAGATATGAAATCGTGGACATTTGG 420
Db 361 ACCTGATCTGTCAAAAGTGAGAGAGCTTCTAAAGCAAGATATGAAATCGTGGACATTTGG 420
Qy 421 GTCAAGGAGCCTTTGGCAAAAGTTGTAGAGTGCATTGATCATGCGCATGGATGCGATGCGATG 480
Db 421 GTCAAGGAGCCTTTGGCAAAAGTTGTAGAGTGCATTGATCATGCGCATGGATGCGATGCGATG 480
Qy 481 TAGCAGTGAAATCGTAAAGAAATGTAGGCGGTTACCGTGAGCAGCTCGTTCAGAAATCC 540
Db 481 TAGCAGTGAAATCGTAAAGAAATGTAGGCGGTTACCGTGAGCAGCTCGTTCAGAAATCC 540
Qy 541 AAGTATTAGAGCACTTAAATAGTACTGATGCCAATAGTCTTCCGATGTGTCAGATGC 600
Db 541 AAGTATTAGAGCACTTAAATAGTACTGATGCCAATAGTCTTCCGATGTGTCAGATGC 600
Qy 601 TAGAATGGTTGATCATCGTGTGATTTGTTGTTGAACTACTGCGGACTTAGTA 660
Db 601 TAGAATGGTTGATCATCGTGTGATTTGTTGTTGAACTACTGCGGACTTAGTA 660
Qy 661 CTTACGATTTTCAATTAAGAAAACAGCTTTCTGCCATTTCAAAATGACCAATCAGGCGAGA 720
Db 661 CTTACGATTTTCAATTAAGAAAACAGCTTTCTGCCATTTCAAAATGACCAATCAGGCGAGA 720
Qy 721 TGGCGTATCAGATCTGCCAGTCAATAAATTTTTTACATCATATAAATTAACCCATACAG 780
Db 721 TGGCGTATCAGATCTGCCAGTCAATAAATTTTTTACATCATATAAATTAACCCATACAG 780
Qy 781 ATCTGAAGCCTGAAAATATTTTGTGTGAAGTCTGACTATGATCAAAATATAATTTCTA 840
Db 781 ATCTGAAGCCTGAAAATATTTTGTGTGAAGTCTGACTATGATCAAAATATAATTTCTA 840
Qy 841 AAATGAAACGTTGATGACGCACTGAAAACACAGATATCAAAAGTTGTTGACTTTGGAA 900
Db 841 AAATGAAACGTTGATGACGCACTGAAAACACAGATATCAAAAGTTGTTGACTTTGGAA 900
Qy 901 GTGCAACGATGATGATGAACATCACAGTACTTTGGTGTCTACCCGGGACTACAGAGCTC 960
Db 901 GTGCAACGATGATGATGAACATCACAGTACTTTGGTGTCTACCCGGGACTACAGAGCTC 960
Qy 961 CCGAGGTCATTTTGGCTTTAGGTTGGTCTCAGCCTTGTGATGTTTGGAGCATAGTTGCA 1020
Db 961 CCGAGGTCATTTTGGCTTTAGGTTGGTCTCAGCCTTGTGATGTTTGGAGCATAGTTGCA 1020
Qy 1021 TTCTTATTGAATTAATTAACCTTTGGTTTACAGTCTTTTACAGTCTCATGATAGTAAAGGACCC 1080
Db 1021 TTCTTATTGAATTAATTAACCTTTGGTTTACAGTCTTTTACAGTCTCATGATAGTAAAGGACCC 1080
Qy 1081 TGGCAATGATGAAACGAAATATTAGGACCCATACCAACACATGATTCAGAAAACAAGAA 1140
Db 1081 TGGCAATGATGAAACGAAATATTAGGACCCATACCAACACATGATTCAGAAAACAAGAA 1140
Qy 1141 AACGCAAGTATTTTCCACCAATACAGCTAGATTTGGGATGAAACACAGTTTCTGCTGGTAGAT 1200
Db 1141 AACGCAAGTATTTTCCACCAATACAGCTAGATTTGGGATGAAACACAGTTTCTGCTGGTAGAT 1200

Qy 1201 ATGTTAGGACGCTGCBAACCCGTTGAAGGAATTTATGCTTTTGTCTCATGATGAAGAACATG 1260
Db 1201 ATGTTAGGACGCTGCBAACCCGTTGAAGGAATTTATGCTTTTGTCTCATGATGAAGAACATG 1260
Qy 1261 AGAAACTGTTTGGACCTGGTTTGAAGGAATTTGAAGATATGATCCAACTCAAAAGAAATTTACCT 1320
Db 1261 AGAAACTGTTTGGACCTGGTTTGAAGGAATTTGAAGATATGATCCAACTCAAAAGAAATTTACCT 1320
Qy 1321 TGAATGAAGCAATTTGCAGCATCCTTTCTTTGACATTTTAAAGGAAGAAATGAAATGGGAATC 1380
Db 1321 TGAATGAAGCAATTTGCAGCATCCTTTCTTTGACATTTTAAAGGAAGAAATGAAATGGGAATC 1380
Qy 1381 AGTGGTCTTACTATATATCTTCTAGAGGAGATTTACTTTAAGAGCTGTGTCAAGTCAACTAAA 1440
Db 1381 AGTGGTCTTACTATATATCTTCTAGAGGAGATTTACTTTAAGAGCTGTGTCAAGTCAACTAAA 1440
Qy 1441 CATTTCTAATATTTTGTGTAACATTTAATTTTGTACAGTTAAGTGTAAATATTTGTATG 1500
Db 1441 CATTTCTAATATTTTGTGTAACATTTAATTTTGTACAGTTAAGTGTAAATATTTGTATG 1500
Qy 1501 TTTTGTATCAATAGCATAAATTAACCTTCTTAAGCAAGTATGCTCTTGATTAATGCAATTAGAA 1560
Db 1501 TTTTGTATCAATAGCATAAATTAACCTTCTTAAGCAAGTATGCTCTTGATTAATGCAATTAGAA 1560
Qy 1561 AAATTAAGAAATTTAATTTTCTTTTGAATTTACCAATTTTAAATACCTTTGAAATATCTCT 1620
Db 1561 AAATTAAGAAATTTAATTTTCTTTTGAATTTACCAATTTTAAATACCTTTGAAATATCTCT 1620
Qy 1621 TGTGTCAGTGAATAAATGAGTATGATCTTGCTTTTGTACATGAGGAGTCACTCTGGAAGT 1680
Db 1621 TGTGTCAGTGAATAAATGAGTATGATCTTGCTTTTGTACATGAGGAGTCACTCTGGAAGT 1680
Qy 1681 GATTTTTTTCAGTAAAAAGGAAATCTTGACTACTTTTATTTTAAAGGAATATTTCTTTA 1740
Db 1681 GATTTTTTTCAGTAAAAAGGAAATCTTGACTACTTTTATTTTAAAGGAATATTTCTTTA 1740
Qy 1741 TATACCTCAAAATTTAGAACCTTAACTTTTAAAGTCTTTCTCTGCTGATTTGTAACGGGTG 1800
Db 1741 TATACCTCAAAATTTAGAACCTTAACTTTTAAAGTCTTTCTCTGCTGATTTGTAACGGGTG 1800
Qy 1801 ATTATTTTAACTCTAGATTAAGCAGGTACTAGAACCAAACTCAGAAAAATGTTTACTGT 1860
Db 1801 ATTATTTTAACTCTAGATTAAGCAGGTACTAGAACCAAACTCAGAAAAATGTTTACTGT 1860
Qy 1861 TAGAAATCTATTAATTTTAAAGTGTGTATCTTTTTCATTTGGGTGATGTCAAGGATGATA 1920
Db 1861 TAGAAATCTATTAATTTTAAAGTGTGTATCTTTTTCATTTGGGTGATGTCAAGGATGATA 1920
Qy 1921 ACCAGACATTCATGAAAGGCAATGAGTTTGTCCATTTGACAGTCTTGTAAATAAAACC 1980
Db 1921 ACCAGACATTCATGAAAGGCAATGAGTTTGTCCATTTGACAGTCTTGTAAATAAAACC 1980
Qy 1981 ACATACACACTTTTATTTAAGATTTAAATCTAACTGAAAGTCAAGCTTGGAAAAATGGACAT 2040
Db 1981 ACATACACACTTTTATTTAAGATTTAAATCTAACTGAAAGTCAAGCTTGGAAAAATGGACAT 2040
Qy 2041 TTCCAAAGTATGTTGGTGAATCAAGATATAAATAGAAATTTCTGATCAGAGGTTTCAG 2100
Db 2041 TTCCAAAGTATGTTGGTGAATCAAGATATAAATAGAAATTTCTGATCAGAGGTTTCAG 2100
Qy 2101 TTTTAAATACCAAGTCTTTAGGAGTCTTAACATTTGGCCAGCATCTGTTTTATCAAAATGACA 2160
Db 2101 TTTTAAATACCAAGTCTTTAGGAGTCTTAACATTTGGCCAGCATCTGTTTTATCAAAATGACA 2160
Qy 2161 TAAATACGTAACCTATAAGAAATTAAGTTTATTAATTTAGGCAATTTATCTGTGTGATAAT 2220
Db 2161 TAAATACGTAACCTATAAGAAATTAAGTTTATTAATTTAGGCAATTTATCTGTGTGATAAT 2220
Qy 2221 TCTTACGGGAGAAAGAGGATTTTGAATTTGAAAGCAGTTTGGGAAGAAAGTGTCTGCTGAAAT 2280
Db 2221 TCTTACGGGAGAAAGAGGATTTTGAATTTGAAAGCAGTTTGGGAAGAAAGTGTCTGCTGAAAT 2280

Qy	2281	TTCCAGAAATTTAAATGATGGTTACATAAACTTTTTCGACTTCAGAAAAAATAAAAA	2340
Db	2281	TTCCAGAAATTTAAATGATGGTTACATAAACTTTTTCGACTTCAGAAAAAATAAAAA	2340
Qy	2341	AACAAAAAATAAAC	2354
Db	2341	AACAAAAAATAAAC	2354

RESULT 2
 US-10-109-854-1
 ; Sequence 1, Application US/10109854
 ; Publication No. US20020119548A1
 ; GENERAL INFORMATION:
 ; APPLICANT: YAN, Chunhua et al.
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: CL000758DIV
 ; CURRENT APPLICATION NUMBER: US/10/109,854
 ; CURRENT FILING DATE: 2002-04-01
 ; PRIOR APPLICATION NUMBER: 60/227,470
 ; PRIOR FILING DATE: 2000-08-24
 ; PRIOR APPLICATION NUMBER: 09/810,671
 ; PRIOR FILING DATE: 2001-03-19
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 2354
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 US-10-109-854-1

Query Match	100.0%;	Score 2354;	DB 13;	Length 2354;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2354;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy	1	GCCAGCTGGGGTACTTTTAAAAAACATGCTCCCATGTGCATCCCTCTTTGAAGCTTCGCAC	60
Db	1	GCCAGCTGGGGTACTTTTAAAAAACATGCTCCCATGTGCATCCCTCTTTGAAGCTTCGCAC	60
Qy	61	CTGTTGAAGAGGACACTCATCCCACTCATTTATTTAGAAGCAAGGTCCTTGAATGAGCGAG	120
Db	61	CTGTTGAAGAGGACACTCATCCCACTCATTTATTTAGAAGCAAGGTCCTTGAATGAGCGAG	120
Qy	121	ATTATCGGACCGGAGATAGCTTGACCAATACAGGAATGACTACTGTGAAGGATATGTTTC	180
Db	121	ATTATCGGACCGGAGATAGCTTGACCAATACAGGAATGACTACTGTGAAGGATATGTTTC	180
Qy	181	CTAGACATTATACAGAGACATTGAAAGCGGGTATCGAATCCACTGCAGTAAATCTTTTCAG	240
Db	181	CTAGACATTATACAGAGACATTGAAAGCGGGTATCGAATCCACTGCAGTAAATCTTTTCAG	240
Qy	241	TCCGACAGGAGAGAGCAGTCTTAAAAAGGAGCGCAATAGACACTGTTTCAAGTCATCAGT	300
Db	241	TCCGACAGGAGAGAGCAGTCTTAAAAAGGAGCGCAATAGACACTGTTTCAAGTCATCAGT	300
Qy	301	CAGTTTCGAGAGCCACCGAAGGAAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTC	360
Db	301	CAGTTTCGAGAGCCACCGAAGGAAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTC	360
Qy	361	ACCTGATCTGTCAAAGTGGAGAGCGTCTTAAGAGCAAGATATGAATCGTGGACACTTTGG	420
Db	361	ACCTGATCTGTCAAAGTGGAGAGCGTCTTAAGAGCAAGATATGAATCGTGGACACTTTGG	420
Qy	421	GTGAAGGAGCGCTTTGGCAAAAGTTGTAGAGTGCATTGATCATGGCATGGATGGCATG	480
Db	421	GTGAAGGAGCGCTTTGGCAAAAGTTGTAGAGTGCATTGATCATGGCATGGATGGCATG	480
Qy	481	TAGCAGTGAATAATCGTAAAAAATGTAGGCGGTTACCGTGAAGCAGCTCGTTTCAGAAATCC	540
Db	481	TAGCAGTGAATAATCGTAAAAAATGTAGGCGGTTACCGTGAAGCAGCTCGTTTCAGAAATCC	540

Thu Aug 4 11:19:26 2005

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Db      1621  |||...|||
Qy      1681  GATTTT...GAGTAAATGATGATCTGCTTTGATCATGAGGTCACTCTGAAGT 1680
Db      1681  GATTTT...GAGTAAATGATGATCTGCTTTGATCATGAGGTCACTCTGAAGT 1740
Qy      1741  TATCTT...CAAAATTTAGAACCTTAACCTTAAAGTCTTCTGTAATTTGTTGAACGGGTG 1800
Db      1741  TATCTT...CAAAATTTAGAACCTTAACCTTAAAGTCTTCTGTAATTTGTTGAACGGGTG 1800
Qy      1801  ATTATT...TAACCTAGATAAGCAGGTACTAGAAACCAAACTCAGAAAATGTTTACTGT 1860
Db      1801  ATTATT...TAACCTAGATAAGCAGGTACTAGAAACCAAACTCAGAAAATGTTTACTGT 1860
Qy      1861  TAGAAT...CTAATTAATTTAAAGTGTGTTATCTTTTCAATCGGTGATGTCAAGGTGATA 1920
Db      1861  TAGAAT...CTAATTAATTTAAAGTGTGTTATCTTTTCAATCGGTGATGTCAAGGTGATA 1920
Qy      1921  ACCAGC...ATTCATGGAAGGCATGCAGTTTGTCCATTGTGACAGTTTGTATTAATAAAC 1980
Db      1921  ACCAGC...ATTCATGGAAGGCATGCAGTTTGTCCATTGTGACAGTTTGTATTAATAAAC 1980
Qy      1981  ACATAC...CACCTTTATTAAGATTAATAATCTAAGTCACTGGAAGTCACTTGGAAAATGACAT 2040
Db      1981  ACATAC...CACCTTTATTAAGATTAATAATCTAAGTCACTGGAAGTCACTTGGAAAATGACAT 2040
Qy      2041  TTCCAG...TATGTTGGTGAATCACAGATATAAATAATAGAAAATCTGATGAGAGTTTCAG 2100
Db      2041  TTCCAG...TATGTTGGTGAATCACAGATATAAATAATAGAAAATCTGATGAGAGTTTCAG 2100
Qy      2101  TTTTAA...TACCAAGTCCCTTAGGATCTTAACATTTAGGCAATTTATGTTCTGTGATAAT 2220
Db      2101  TTTTAA...TACCAAGTCCCTTAGGATCTTAACATTTAGGCAATTTATGTTCTGTGATAAT 2220
Qy      2161  TAAATC...GTAAACCTTATAGAAATTAAGTTTATTAATTTAGGCAATTTATGTTCTGTGATAAT 2220
Db      2161  TAAATC...GTAAACCTTATAGAAATTAAGTTTATTAATTTAGGCAATTTATGTTCTGTGATAAT 2220
Qy      2221  TCTTAC...GGGAGAGAGAGGATTTGATTTGAAAAGCAGTTTGGGAGAGAGTCTGCTGAAAT 2280
Db      2221  TCTTAC...GGGAGAGAGAGGATTTGATTTGAAAAGCAGTTTGGGAGAGAGTCTGCTGAAAT 2280
Qy      2281  TTCCAG...AATTTAATGTTGTTGATTAACATCTTTTGAATTTACATAAACTTTTGAATTTAG 2340
Db      2281  TTCCAG...AATTTAATGTTGTTGATTAACATCTTTTGAATTTACATAAACTTTTGAATTTAG 2340
Qy      2341  AACAAA...AAAAAAC 2354
Db      2341  AACAAA...AAAAAAC 2354
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RESULT 3
US-10-339-656-1
; Sequence 1, Application US/10339656
; Publication No. US20030134319A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339,656
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
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; LENGTH: 2354
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-339-656-1

Query Match      100.0%; Score 2354; DB 15; Length 2354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1      GCAGCTGGGGTTACTTTTAAAAAACAATGCTCCATGTGCATCCCTCTTGAAGCTTCGCAC 60
Db      1      GCAGCTGGGGTTACTTTTAAAAAACAATGCTCCATGTGCATCCCTCTTGAAGCTTCGCAC 60
Qy      61      CTGTTCAAGAGGACACTCATCCAGTCATTATTTAGAAGCAAGGCTCTTGAATGAGCGAG 120
Db      61      CTGTTGAAGAGGACACTCATCCAGTCATTATTTAGAAGCAAGGCTCTTGAATGAGCGAG 120
Qy      121      ATTATCGGACCGGAGATAGCTTGAAGAATACAGGAATGACTACTGTGAAGATATGTTTC 180
Db      121      ATTATCGGACCGGAGATAGCTTGAAGAATACAGGAATGACTACTGTGAAGATATGTTTC 180
Qy      181      CTAGACATTATCAGAGACATTGAAAAGCGGGTATCGAAATCCACTGCAGTAAATCTTCAG 240
Db      181      CTAGACATTATCAGAGACATTGAAAAGCGGGTATCGAAATCCACTGCAGTAAATCTTCAG 240
Qy      241      TCCGACAGCAGGAGAGCAGTCCTTAAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGT 300
Db      241      TCCGACAGCAGGAGAGCAGTCCTTAAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGT 300
Qy      301      CACGTTGGAAGAGCCACCGAAGGAAAGATCCAGGAGTATAGAGGATGATGAGGAGGGTC 360
Db      301      CACGTTGGAAGAGCCACCGAAGGAAAGATCCAGGAGTATAGAGGATGATGAGGAGGGTC 360
Qy      361      ACCTGATCTGTCAAAGTGGAGACGTTCTAAGAGCAAGATATGAATCGTGGACACTTTGG 420
Db      361      ACCTGATCTGTCAAAGTGGAGACGTTCTAAGAGCAAGATATGAATCGTGGACACTTTGG 420
Qy      421      GTGAAGGAGCCTTTGGCAAGTCTGTAGAGTCATTGATCATGGCATGGATGGCATGTCATG 480
Db      421      GTGAAGGAGCCTTTGGCAAGTCTGTAGAGTCATTGATCATGGCATGGATGGCATGTCATG 480
Qy      481      TAGCAGTGAATAATCGTAAAAAATGTAGCCCGTTACCGTGAAGCAGCTGTTTCAGAAATCC 540
Db      481      TAGCAGTGAATAATCGTAAAAAATGTAGCCCGTTACCGTGAAGCAGCTGTTTCAGAAATCC 540
Qy      541      AAGTATTAGACACCTTAATAATAGTACTGATCCCAATAGTGTCTTCCGATGTGTCAGATGC 600
Db      541      AAGTATTAGACACCTTAATAATAGTACTGATCCCAATAGTGTCTTCCGATGTGTCAGATGC 600
Qy      601      TAGAATGGTTTGCATCATCTGTCATGTTGTTGATTTGATTTGATTTGATTTGATTTGAT 660
Db      601      TAGAATGGTTTGCATCATCTGTCATGTTGTTGATTTGATTTGATTTGATTTGATTTGAT 660
Qy      661      CTTACGATTTTCAATAAGAAAAACAGCTTCTGCCATTTCAAATTCACACATCAGGCAGA 720
Db      661      CTTACGATTTTCAATAAGAAAAACAGCTTCTGCCATTTCAAATTCACACATCAGGCAGA 720
Qy      721      TGGCGTATCAGATCTGCCAGTCAATAAATTTTTTACATCATATAATAAATTAATTAATTA 780
Db      721      TGGCGTATCAGATCTGCCAGTCAATAAATTTTTTACATCATATAATAAATTAATTAATTA 780
Qy      781      ATCTGAAGCCTCGAAAAATATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 840
Db      781      ATCTGAAGCCTCGAAAAATATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 840
Qy      841      AATGAAACGTGATGAGACGACACTGAAAACACAGATATCAAAAGTGTGTTGTTGTTGTT 900
Db      841      AATGAAACGTGATGAGACGACACTGAAAACACAGATATCAAAAGTGTGTTGTTGTTGTT 900
Qy      901      GTGCAACGTATGATGATGAAATCATCAGTACTTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
Db      901      GTGCAACGTATGATGATGAAATCATCAGTACTTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 960
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Qy  CCGAGGTCATTTTGGCTTAGGTTGGTCTCAGCCCTGTGATGTTGGAGCATAGGTTGCA 1020
Db  CCGAGGTCATTTTGGCTTTAGGTTGGTCTCAGCCCTGTGATGTTGGAGCATAGGTTGCA 1020
Qy  TTCTTATGAATATTAATCTTGGTTTTCAGTCTTTTCAGACTCATGATAGTAAGAGCACC 1080
Db  TTCTTATGAATATTAATCTTGGTTTTCAGTCTTTTCAGACTCATGATAGTAAGAGCACC 1080
Qy  TGGCAATGATGGAAAGCAATATTAGGACCCATACACAACACATGATTGAGAAAACAAGAA 1140
Db  TGGCAATGATGGAAAGCAATATTAGGACCCATACACAACACATGATTGAGAAAACAAGAA 1140
Qy  AAGCAGAGTATTTTCCACATAACAGCTAGATTGGGATGAACACAGTCTGCTGGTAGAT 1200
Db  AAGCAGAGTATTTTCCACATAACAGCTAGATTGGGATGAACACAGTCTGCTGGTAGAT 1200
Qy  ATGTTAGGAGACGCTGCARACCGTTGAAGGAATTTATGCTTTTGTGTCATGATGAAGAACATG 1260
Db  ATGTTAGGAGACGCTGCARACCGTTGAAGGAATTTATGCTTTTGTGTCATGATGAAGAACATG 1260
Qy  AGAACTGTTTGACCTGGTTGGAAGAAATGTTAGAAATATGATCCAACCTCAAAGAAATTACCT 1320
Db  AGAACTGTTTGACCTGGTTGGAAGAAATGTTAGAAATATGATCCAACCTCAAAGAAATTACCT 1320
Qy  TGGATGAAGCATTCGACGATCCTTTCTTGTGACTTATTAAGAAATGAAATGGGAAATC 1380
Db  TGGATGAAGCATTCGACGATCCTTTCTTGTGACTTATTAAGAAATGAAATGGGAAATC 1380
Qy  AGTGGCTCTTACTATATCTCTCTAGAGAGATTTACTTTAAGACTGTCTCAGTCAACTAAA 1440
Db  AGTGGCTCTTACTATATCTCTCTAGAGAGATTTACTTTAAGACTGTCTCAGTCAACTAAA 1440
Qy  CATTCTAATATTTTGTAAACATTAATTTTGTGACAGTTAAGTGTAAATATTTGATG 1500
Db  CATTCTAATATTTTGTAAACATTAATTTTGTGACAGTTAAGTGTAAATATTTGATG 1500
Qy  TTTTGATCAATAGCAATAATTAATCTGTTAGCAAGTATGGTCTGTGATATGCAATAGAA 1560
Db  TTTTGATCAATAGCAATAATTAATCTGTTAGCAAGTATGGTCTGTGATATGCAATAGAA 1560
Qy  AAATTAATAATTTTCTTTTGAATTAACCAATTTTAAATACCTTTGAAATATCCTT 1620
Db  AAATTAATAATTTTCTTTTGAATTAACCAATTTTAAATACCTTTGAAATATCCTT 1620
Qy  TGTGTCAGTGATAAATGATGATCTTGCTCTTTTGTACATGGAGTCACTCTGAAGT 1680
Db  TGTGTCAGTGATAAATGATGATCTTGCTCTTTTGTACATGGAGTCACTCTGAAGT 1680
Qy  GATTTTTTTTGGTAAAGAAATCTTGACTACTTTATATTTCTTAAGGAATATTTCTTTA 1740
Db  GATTTTTTTTGGTAAAGAAATCTTGACTACTTTATATTTCTTAAGGAATATTTCTTTA 1740
Qy  TATACTTCAAAATTTAGAACTTAACCTTAAAGTTTTTCTTCTGTAATGTTGAACGGGTG 1800
Db  TATACTTCAAAATTTAGAACTTAACCTTAAAGTTTTTCTTCTGTAATGTTGAACGGGTG 1800
Qy  ATTATTAATTAACCTAGATAAGCAGGTACTAGAAACCAAACTCAGAAAAATGTTTACTGT 1860
Db  ATTATTAATTAACCTAGATAAGCAGGTACTAGAAACCAAACTCAGAAAAATGTTTACTGT 1860
Qy  TAGAATTTCTAATTAATTTTAAAGTGTGATTTCTTTTTCATTTGGTGTATGTCAGGGTATA 1920
Db  TAGAATTTCTAATTAATTTTAAAGTGTGATTTCTTTTTCATTTGGTGTATGTCAGGGTATA 1920
Qy  ACCAGACATTCATGGAAGGCATGAGTTGTCATTTGTCAGACAGTTGTTGTTTAAATAAAC 1980
Db  ACCAGACATTCATGGAAGGCATGAGTTGTCATTTGTCAGACAGTTGTTGTTTAAATAAAC 1980
Qy  ACATACACACTTTTATTTAAGATTAATAATCTAATCTGGAAGTCTGAGTTGGAATAAC 2040
Db  ACATACACACTTTTATTTAAGATTAATAATCTAATCTGGAAGTCTGAGTTGGAATAAC 2040
Qy  TTCAGATGATGTTGGTGAGTCAAGATATAAATAAGAAATCTCTGATGAGAGGTTTCAG 2100
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Db  TTCCAAGTATGTTTGGTGAGTCAAGATATAAATAAGAAATTTCTGATGAGAGGTTTCAG 2100
Qy  TTTTAAATACCAAGTCTCTAGGAGTCTTAACATTGGCCAGCATCTGTTTATCAAATGACA 2160
Db  TTTTAAATACCAAGTCTCTAGGAGTCTTAACATTGGCCAGCATCTGTTTATCAAATGACA 2160
Qy  TAAATACGTAACCTATAGAATTAAGTTTAAATAGGCAATTTATGTCGTGATAAT 2220
Db  TAAATACGTAACCTATAGAATTAAGTTTAAATAGGCAATTTATGTCGTGATAAT 2220
Qy  TCTTACGGGAGAAAGAGGATTTGATTGGAAAGCAGTTTGGGAAGAAAGTCTGCTGAAT 2280
Db  TCTTACGGGAGAAAGAGGATTTGATTGGAAAGCAGTTTGGGAAGAAAGTCTGCTGAAT 2280
Qy  TCCAGAAATTTAATGATTGTTTACATAAACTTTTGGTGTACATAAACTTTTGACTTTCAGAAAAAATAAATAA 2340
Db  TCCAGAAATTTAATGATTGTTTACATAAACTTTTGGTGTACATAAACTTTTGACTTTCAGAAAAAATAAATAA 2340
Qy  AACAAAAAATAAAC 2354
Db  AACAAAAAATAAAC 2354
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RESULT 4

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US-10-801-671-1
; Sequence 1, Application US/10801671
; Publication No. US20040152123A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV-III
; CURRENT APPLICATION NUMBER: US/10/801,671
; PRIOR FILING DATE: 2004-03-17
; PRIOR FILING DATE: 2004-03-17
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2354
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-801-671-1
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Query Match 100.0%; Score 2354; DB 19; Length 2354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GCCAGCTGGGGTTACTTTTAAATAACATGCTCCATGTGCATCCCTCTTGAAGCTTCGCAC 60
Db 1 GCCAGCTGGGGTTACTTTTAAATAACATGCTCCATGTGCATCCCTCTTGAAGCTTCGCAC 60
Qy 61 CTGTTGAAGAGGACACTCATCCAGTCAATTTTAGAAGCAAGGTCCTTGAATGAGCGAG 120
Db 61 CTGTTGAAGAGGACACTCATCCAGTCAATTTTAGAAGCAAGGTCCTTGAATGAGCGAG 120
Qy 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTACTGTGAAGGATATGTTTC 180
Db 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTACTGTGAAGGATATGTTTC 180
Qy 181 CTAGACATTTATCACAGAGACATTTGAAGCGGGTATCGAATCCACTCGAGTAATCTTCAG 240
Db 181 CTAGACATTTATCACAGAGACATTTGAAGCGGGTATCGAATCCACTCGAGTAATCTTCAG 240
Qy 241 TCCGACAGCAGGAGAACAGTCTCTTAAAGGAAGCGCAATAGACACTGTTCAAAGTCATCAGT 300
Db 241 TCCGACAGCAGGAGAACAGTCTCTTAAAGGAAGCGCAATAGACACTGTTCAAAGTCATCAGT 300
Qy 301 CAGGTTCCGAAGAGCCACCGAAGAAAGATCCAGGAGTATAGAGGATGATGAGAGGGTTC 360
```


; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53)131B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 26852
; LENGTH: 4035
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4654-056-G4_FLI
US-10-425-114-26852

Query Match 81.1%; Score 1908.4; DB 18; Length 4035;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1909; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	398	ATATGAATCGTGACACTTTGGGTGAAGGAGCTTTGGCAAAAGTTGTAGAGTGCATTGA	457
Db	2126	AGATGAATCGTGACACTTTGGGTGAAGGAGCTTTGGCAAAAGTTGTAGAGTGCATTGA	2185
Qy	458	TCATGGCATCGATGGCATGATGTAGCAGTGAATAATCGTAAATAATGTAGGCGGTTACCG	517
Db	2186	TCATGGCATCGATGGCATGATGTAGCAGTGAATAATCGTAAATAATGTAGGCGGTTACCG	2245
Qy	518	TGAAGCAGCTCGTTCAGAAATCAAGATTTAGAGCACTTAAATAGTACTGATCCCAATAG	577
Db	2246	TGAAGCAGCTCGTTCAGAAATCAAGATTTAGAGCACTTAAATAGTACTGATCCCAATAG	2305
Qy	578	TGCTCTCCGATGTCTCAGATGCTAGAAATGTTTGTATCATCATGCTGTTGTTGTTGT	637
Db	2306	TGCTCTCCGATGTCTCAGATGCTAGAAATGTTTGTATCATCATGCTGTTGTTGTTGT	2365
Qy	638	GTTTGAACACTCGGACTTAGTACTTACGATTTTCAATAAGAAAAACAGCTTCTGCGCAT	697
Db	2366	GTTTGAACACTCGGACTTAGTACTTACGATTTTCAATAAGAAAAACAGCTTCTGCGCAT	2425
Qy	698	TCAAAATGACCAATCAGGAGATGCGGTATCAGATCTGCCAGTCAATAAATTTTACCA	757
Db	2426	TCAAAATGACCAATCAGGAGATGCGGTATCAGATCTGCCAGTCAATAAATTTTACCA	2485
Qy	758	TCATAATAAATTAACCATACAGATCTGAAGCCTGAAATATTTTGTGTGAAGTCTGA	817
Db	2486	TCATAATAAATTAACCATACAGATCTGAAGCCTGAAATATTTTGTGTGAAGTCTGA	2545
Qy	818	CTATGTAGTCAAAATATAATTTTAAATGAACGTTGATGAACGCACTGAAAAACACAGA	877
Db	2546	CTATGTAGTCAAAATATAATTTTAAATGAACGTTGATGAACGCACTGAAAAACACAGA	2605
Qy	878	TATCAAAAGTTGTGACTTTGGAAGTCAACGATGATGATGAACATCACAGTACTTTGGT	937
Db	2606	TATCAAAAGTTGTGACTTTGGAAGTCAACGATGATGATGAACATCACAGTACTTTGGT	2665
Qy	938	GTCTACCCGCACTACAGAGCTCCGAGGTCATTTTGGCTTTAGTTGGTCTCAGCCTTG	997
Db	2666	GTCTACCCGCACTACAGAGCTCCGAGGTCATTTTGGCTTTAGTTGGTCTCAGCCTTG	2725
Qy	998	TGATGTTTGGAGCATAGTTTGGATCTTTTGAATATTACTTTGGTTTTCAGTCTTTCA	1057
Db	2726	TGATGTTTGGAGCATAGTTTGGATCTTTTGAATATTACTTTGGTTTTCAGTCTTTCA	2785
Qy	1058	GACTCATGATAGTAAAGAGCACTGGCAATGATGGAAACGAATATTAGGACCCATACACA	1117
Db	2786	GACTCATGATAGTAAAGAGCACTGGCAATGATGGAAACGAATATTAGGACCCATACACA	2845
Qy	1118	ACACATGATTCAGAAAAACAAGAAAAACGCAAGTATTTTCCACATAACAGCTAGATTGGGA	1177

Db	2846	ACACATGATTCAGAAAAACAAGAAAAACGCAAGTATTTTCCACATAACAGCTAGATTGGGA	2905
Qy	1178	TGAACACAGTTCTGCTGGTAGATATGTTAGGAGACGCTGCAAAACCGTTGAAGGAATTTAT	1237
Db	2906	TGAACACAGTTCTGCTGGTAGATATGTTAGGAGACGCTGCAAAACCGTTGAAGGAATTTAT	2965
Qy	1238	GCTTTGTCATGATGAAGAACATGAGAAACCTGTTTGACCTGGTTGGAAGAAATGTTAGAA	1297
Db	2966	GCTTTGTCATGATGAAGAACATGAGAAACCTGTTTGACCTGGTTGGAAGAAATGTTAGAA	3025
Qy	1298	TGATCCAACTCAAAAGAAATTAACCTTGGATGAAGCAATTCGAGCATCTCTTTGACTTATT	1357
Db	3026	TGATCCAACTCAAAAGAAATTAACCTTGGATGAAGCAATTCGAGCATCTCTTTGACTTATT	3085
Qy	1358	AAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTCTCTAGAGAGATTACT	1417
Db	3086	AAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTCTCTAGAGAGATTACT	3145
Qy	1418	TAAGACTGTGTAGTCAACTAAACATTTCTAATATTTTGTAAACATTAATTTTGTAA	1477
Db	3146	TAAGACTGTGTAGTCAACTAAACATTTCTAATATTTTGTAAACATTAATTTTGTAA	3205
Qy	1478	CAGTTAAGTGTAAATATTTGATGTTTGTATCAATAGCATAAATTAACCTGTTAAGCAAGT	1537
Db	3206	CAGTTAAGTGTAAATATTTGATGTTTGTATCAATAGCATAAATTAACCTGTTAAGCAAGT	3265
Qy	1538	ATGCTCTTGATTAATGCAATTAAGAAAAATTAATAATTTTCTTTTGAATAATACCAATTT	1597
Db	3266	ATGCTCTTGATTAATGCAATTAAGAAAAATTAATAATTTTCTTTTGAATAATACCAATTT	3325
Qy	1598	TTAAATACCTTTGAAATATCTTTGTCAGTGATAAATGATGATGATCTGCTCTTTTG	1657
Db	3326	TTAAATACCTTTGAAATATCTTTGTCAGTGATAAATGATGATGATCTGCTCTTTTG	3385
Qy	1658	TACATCGAGTCACTCTGAGTGATTTTCTTGTAGTAAAGGAAATCTTGTGACTACTTTA	1717
Db	3386	TACATCGAGTCACTCTGAGTGATTTTCTTGTAGTAAAGGAAATCTTGTGACTACTTTA	3445
Qy	1718	TATTTCTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAACTTTTAAAGT	1777
Db	3446	TATTTCTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAACTTTTAAAGT	3505
Qy	1778	CTTCTGTAAATGTTGAAACGCGGTGATTTATTAACCTCTAGATGAAGCAAGTACTAGAACC	1837
Db	3506	CTTCTGTAAATGTTGAAACGCGGTGATTTATTAACCTCTAGATGAAGCAAGTACTAGAACC	3565
Qy	1838	AAAACTCAGAAATGTTTACTGTTAGAAATCTATTAATTTTAAAGTGTCTGATTTCTTTT	1897
Db	3566	AAAACTCAGAAATGTTTACTGTTAGAAATCTATTAATTTTAAAGTGTCTGATTTCTTTT	3625
Qy	1898	CATTGGGTGATGTGAGGTGATAACAGACATTTCTGGAAGGCAATGCGAGTTTGTCCATT	1957
Db	3626	CATTGGGTGATGTGAGGTGATAACAGACATTTCTGGAAGGCAATGCGAGTTTGTCCATT	3685
Qy	1958	GTGACAGTTTGTAAATAAAACACATACACATCTTTATTTAAAGATTAAATCTAACTGGA	2017
Db	3686	GTGACAGTTTGTAAATAAAACACATACACATCTTTATTTAAAGATTAAATCTAACTGGA	3745
Qy	2018	AAGTCAGCTTGGAAATGACATTTCCAAAGTATGTTTGGTGAGTCAAGATATAAAAAATA	2077
Db	3746	AAGTCAGCTTGGAAATGACATTTCCAAAGTATGTTTGGTGAGTCAAGATATAAAAAATA	3805
Qy	2078	GAAATCTGATGAGAGGTTTCAGTTTTTAAATACCAAGTCTCTAGGAGTCTTAACTTGGC	2137
Db	3806	GAAATCTGATGAGAGGTTTCAGTTTTTAAATACCAAGTCTCTAGGAGTCTTAACTTGGC	3865
Qy	2138	CAGCATCTGTTTATCAAAATGACATAAAATACGTAAACCTTAAAGAAATTAAGTTTATTAAT	2197
Db	3866	CAGCATCTGTTTATCAAAATGACATAAAATACGTAAACCTTAAAGAAATTAAGTTTATTAAT	3925
Qy	2198	AGGCAATTTATCTGCTGATTAATTTTACGGGAGAAAGGAGTTTCTGTTGGAAGCAGTT	2257
Db	3926	AGGCAATTTATCTGCTGATTAATTTTACGGGAGAAAGGAGTTTCTGTTGGAAGCAGTT	3985

Qy	1722	CTTAAAGGAATATCTTTATATACTCTCAAAATTTAGAACCTTAACCTTTAAAAGTTTTCTTC	178
Db	982	CTTAAAGGAATATCTTTATATACTCTCAAAATTTAGAACCTTAACCTTTAAAAGTTTTCTTC	1041
Qy	1782	TGTAATTTGTTGAACGGGTGATTATTTAACTCTAGATAAGCAGGTACTAGAAACCAAAA	1841
Db	1042	TGTAATTTGTTGAACGGGTGATTATTTAACTCTAGATAAGCAGGTACTAGAAACCAAAA	1101
Qy	1842	CTCAGAAAAATGTTTACATGTTAGAAATCTATTTAAATTTTAAAGTGTTGTAATCTTTTTTCATT	1901
Db	1102	CTCAGAAAAATGTTTACTGTTTAGAAATCTATTTAAATTTTAAAGTGTTGTAATCTTTTTTCATT	1161
Qy	1902	GGGTGATGTCAGGGTGATAACACAGACATTCATCGAAAGGCATCGAGTTTCCTCAATTGTGA	1961
Db	1162	GGGTGATGTCAGGGTGATAACACAGACATTCATCGAAAGGCATCGAGTTTCCTCAATTGTGA	1221
Qy	1962	CAGTTTGTGTTTAAATAAAACCATACACACATTTTATTTAAAGATTAAAAATCTAACTGGAAAGT	2021
Db	1222	CAGTTTGTGTTTAAATAAAACCATACACACATTTTATTTAAAGATTAAAAATCTAACTGGAAAGT	1281
Qy	2022	CAGTTTGGAAAAATGGACATTTCCAGTATGTTTTGGTGAGTCAACAGATATATAAAATAGAAA	2081
Db	1282	CAGCTTGGAAAAATGGACATTTCCAAAGTATGTTTTGGTGAGTCAACAGATATATAAAATAGAAA	1341
Qy	2082	TTCTGATGACAGGTTTTTCAGTTTTTAAATACCAAGTCCTTTAGGAGTCTTAAACATTTGGCCAGC	2141
Db	1342	TTCTGATGACAGGTTTTCAGTTTTTAAATACCAAGTCCTTTAGGAGTCTTAAACATTTGGCCAGC	1401
Qy	2142	ATCTGTTTTATCAAAATGACATAAAATACGTAAACCTATATAAGAAATTAAGTTTTATTAAT	2196
Db	1402	ATCTGTTTTATCAAAATGACATAAAATACGTAAACCTATATAAGAAATTAAGTTTTATTAAT	1456

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RESULT 8
US-09-905-999-26
; Sequence 26, Application US/09905999
; Patent No. US20020106771A1
; GENERAL INFORMATION:
; APPLICANT: ULRICH, Axel
; APPLICANT: NAYLER, Oliver
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/09/905,999
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286
; PRIOR FILING DATE: 1996-12-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 1549
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-905-999-26

Query Match      46.6%; Score 1097.4; DB 9; Length 1549;
Best Local Similarity 90.6%; Pred. No. 1.8e-216;
Matches 1170; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

QY      85   GTCAATTATTTAGAAGCAAGTCTCTTGAAATCAGCGAGATTATTCGGGACCGGAGATACGTTG 144
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      239   GTCACTATTTTAGAAGCAAGATGCTTGAAATCAGAGAGATTATTCGGGACCGGAGATACATTG 298

QY      145   ACGAATACAGGAATGACTCTGTGAAGGATATCTTCTACACATTTATCAGAGACATTG 204
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      299   ATGAATACAAAATGACTCTCGGAAGGATATGTTCCAGACATTTACCATAGAGACGTTG 358

Ov      205   AAAGCGGGTATCGAATCCACTGCAGTAATAATCTTTCAGTCCGACGAGGAAGCAGTGCTTA 264

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Thu Aug 4 11:19:26 2005

1439 GAATGTTGGAGTATGACCCAGCGAGGAGTACACCTTGGATGAAGCATTTGCAGACCCCTT 1498

Db 1345 TCTTTGACTTATTAATAAAGAAATGAATGG 1375
1499 TCTTTGACTTATTAATAAAGAAATGAATGG 1529
RESULT 9
US-10-825-177-26
; Sequence 26, Application US/10825177
; Publication No. US20040259220A1
; GENERAL INFORMATION:
; APPLICANT: NAVLER, Axel
; APPLICANT: ULLRICH, Axel
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/10/825,177
; CURRENT FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US/09/905,999
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286
; PRIOR FILING DATE: 1996-12-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 1549
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-825-177-26
Query Match 46.6%; Score 1097.4; DB 20; Length 1549;
Best Local Similarity 90.6%; Pred. No. 1.8e-216;
Matches 1170; Conservative 0; Mismatches 121; Indels 0; Gaps 0;
QY 85 GTCAATATTAGAACCAAGGCTCTTGAATGACGAGATATCGGGACCGGAGATACGTTG 144
DB 239 GTCACTATTAGAACCAAGATGCTTGAATGAGAGAGATATCGGGACCGGAGATACATTTG 298
QY 145 ACGAATACAGGAATCACTACTGTGAAGGATATGTTCTTAGACATTTATCACAGACATTTG 204
DB 299 ATGAATACAGAAATGACTACTGCGAAGGATATGTTCCAAAGACATTTACCATAGACGTTG 358
QY 205 AAAGCGGGTATCGAATPCCACTGCGAGTAAATCTTCAGTCCGACGAGGAGGAGCAGTCCCTA 264
DB 359 AAAGCACTTACCGGATCCAATTGCGATTAATCTTCAGTCCGAGGAGGAGGAGCAGCCTTA 418
QY 265 AAAGGAAGCGCATAGACACTGTTCAAGTCATCAGTCCAGTTCGAAAGAGCCACCGAAGGA 324
DB 419 AGAAGAAGCGTAAATAGACCTTGTGCAAGTCATCAGTCCGATTCGAAGAGCCACCGAAGGA 478
QY 325 AAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACTGATCTCTCAAGTGGAGCG 384
DB 479 AAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACTGATCTCTCAAGTGGAGCG 538
QY 385 TTCTAGAGCAAGATATGAATCGTGCACACTTTTGGGTGAAGGAGCCTTTGGCAAAAGTTG 444
DB 539 TTCTAGAGCAAGATATGAATCGTGCACACTTTTGGGTGAAGGAGCCTTTGGCAAAAGTTG 598
QY 445 TAGAGTGCATTGATTCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCAT 504
DB 599 TAGAGTGCATTGATTCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCAT 658
QY 505 TAGCGCGTTACCGTGAAGCAGCTGTTTCCAGAAATCCAAAGTATTAGAGCACTTTAAATAGTA 564
DB 659 TAGAGTGCATTGATTCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCAT 718
QY 565 CTGATCCCAATAGTGTCTTCCGATGTCAGATGTCAGATGTCAGATGTCAGATGTCAGATGTC 624
DB 719 CTGATCCCAATAGTGTCTTCCGATGTCAGATGTCAGATGTCAGATGTCAGATGTCAGATGTC 778
QY 625 ATGTTTGTATGTTTGAACACTCGGACCTTAGTACTTACGATTTTCAATTAAGAAAAACA 684
DB 779 ATGTTTGTATGTTTGAACACTCGGACCTTAGTACTTACGATTTTCAATTAAGAAAAACA 838
QY 685 GCTTCTCTGCCATTTCAATTCACCATCAGGAGGATGGGTCATCAGATCGCCAGTCAA 744
DB 839 GTTCTTCGCCATTTCAATTCACCATCAGGAGGATGGGTCATCAGATCGCCAGTCAA 898
QY 745 TAAATTTTACATCATTAATAATTAACCCATACAGATCTGAAGCCCTGAAATATTTTGT 804
DB 899 TAAATTTTACATCATTAATAATTAACCCATACAGATCTGAAGCCCTGAAATATTTTAT 958
QY 805 TTGTGAAGTCTGACTATGATCAAAATATAATTTCTAAATGAACGTCATGAAACGACAC 864
DB 959 TTGTGAAGTCTGACTATGATCAAAATATAATTTCTAAATGAACGTCATGAAACGACAC 1018
QY 865 TGAAAAAACHAGATATCAAGTTGTTGACTTTGGAAGTGCAACGTCATGATGATGAACATC 924
DB 1019 TGAAAAAACHAGATATCAAGTTGTTGACTTTGGAAGTGCAACGTCATGATGATGAACATC 1078
QY 925 ACAGTACTTTGGTGTCTACCCGGCACTACAGAGCTCCCGAGGTCATTTTGGCTTTAGTT 984
DB 1079 ATAGTACTTTGGTGTCTACCCGGCACTACAGAGCTCCCGAGGTCATTTTGGCTTTAGTT 1138
QY 985 GGTCTCAGCCTTTGGTGTCTACCCGGCACTACAGAGCTCCCGAGGTCATTTTGGCTTTAGTT 1044
DB 1139 GGTCTCAGCCTTTGGTGTCTACCCGGCACTACAGAGCTCCCGAGGTCATTTTGGCTTTAGTT 1198
QY 1045 TCACAGTCTTTACAGCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1104
DB 1199 TCACAGTCTTTACAGCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1258
QY 1105 GACCCATACCAACACATGATTCAGAAACACAGAAACGCAAGTATTTTACACCAATACC 1164
DB 1259 GACCCATACCAACACATGATTCAGAAACACAGAAACGCAAGTATTTTACACCAATACC 1318
QY 1165 AGCTAGATTTGGGATGAACACAGTTCTCTGCTGGTATGATGATGATGATGATGATGATGATGAT 1224
DB 1319 AGCTAGATTTGGGATGAACACAGTTCTCTGCTGGTATGATGATGATGATGATGATGATGATGAT 1378
QY 1225 TGAAGGAATTTATGCTTTGTCATGATGAACAAACATGAAACCTGTTTGAACCTGTTTGGAA 1284
DB 1379 TAAAGGAATTTATGCTGTGTCATGACGAGGATGAGAGCTGTTTGAACCTGTTTGGAA 1438
QY 1285 GAATGTTAGATATGATCCAACTCAAGAAATTTACCTTTGATGAAGCATTCAGCATTCCTT 1344

1439 GAATGTTGGAGTATGACCCAGCGAGGAGTACACCTTGGATGAAGCATTTGCAGACCCCTT 1498

QY 1345 TCTTTGACTTATTAATAAAGAAATGAATGG 1375
DB 1499 TCTTTGACTTATTAATAAAGAAATGAATGG 1529

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Db 719 CTGACCCCAACAGTCTCTCCGATGCGTCCAGATGCTAGAGTGGTTTGTATCATCATGGTC 778
Qy 625 ATGTTTGTATGTGTTTGAATCTACTGGGACTTAGTACTTAGCATTTTCATTAAGAAACA 684
Db 779 ATGTTTGTATGTGTTTGAAGCTGCTGGGACTTAGTACTTAGCATTTTATTAAGAAATA 838
Qy 685 GCTTCTGCGCATTTCAAATTTGACACATCAGGAGATGGGATCAGATCTGCCAGTCAA 744
Db 839 GTTTTCTGCGCATTTCAAATTTGATCAGATCAGGCAATGGCTTATCAGATCTGCCAGTCTA 898
Qy 745 TAAATTTTACATCATATAAATTAACCCATACAGATCTGAAGCCTGAAATAATTTTGT 804
Db 899 TAAATTTTACATCATATAAATTAACACACAGGACCTTAAACCTTGAAATAATTTTAT 958
Qy 805 TTGTGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAATGAACGATGAGCGCACAT 864
Db 959 TTGTGAAGTCTGACTATGTAGTCAAAATATAAATTTCTAAATGAACGATGAGCGCACAT 1018
Qy 865 TGAATAACACAGATATCAAAGTTGTTGACTTTGGAAGTGCACGATATGATGATGAACATC 924
Db 1019 TGAATAACACAGATATCAAAGTTGTTGATTTTGAAGTGCACACATATGAGGACGAAATC 1078
Qy 925 ACAGTACTTTGGTGTCTACCGGCACCTACAGAGCTCCGAGGTCATTTTGGCTTTAGGTT 984
Db 1079 ATAGTACTTTGGTGTCTACAGGACCTACAGGCTCCAGAGGTCATTTTGGCTCTAGGTT 1138
Qy 985 GGTCTCAGCCTTTGGTGTCTTGGAGCATAGGTTGCATTTCTTATTGAAATATTACCTTGGTT 1044
Db 1139 GGTCTCAGCCTTTGGTGTCTTGGAGCATAGGTTGCATTTCTTATTGAGTACTACCTTGGT 1198
Qy 1045 TCACAGTCTTTGAGTCTATGATAGTAAAGAGCACCTGGCAATGATGAGAAATATTAG 1104
Db 1199 TCACAGTCTTTGAGTCTATGATAGTAAAGAGCACCTGGCAATGATGAGGAGCGATCTAG 1258
Qy 1105 GACCATACACACACATGATTTAGAAACAGAAACGAAACGAAATTTTACCATTAACC 1164
Db 1259 GACCATACACACACATGATTTAGAAACAGAAACGAAACGAAATTTTACCATTAACC 1318
Qy 1165 AGCTAGATTTGGATGAAACACAGTCTCTGCTGTAGATATGTTAGAGACGCTGCAAAACCGT 1224
Db 1319 AGCTAGATTTGGAGGACGATGTTTACGCTGGAGATATGTTAGGAGACGCTGCAACCGT 1378
Qy 1225 TGAAGGAATTTATGCTTTGATCATGATGAAGAAATGAGAAATGTTTGAAGTCTGGTCAA 1284
Db 1379 TAAAGGAATTTATGCTGTGTCATGACGAGAGCATGAGAAAGTCTTTGAGCTGGTCAA 1438
Qy 1285 GAATGTTAGATATGATCCAACTCAAGAAATTTACCTTGGATGAGCATTCAGCATCCTT 1344
Db 1439 GAATGTTGAGATATGATCCAACTCAAGAAATTTACCTTGGATGAGCATTCAGCATCCTT 1498
Qy 1345 TCTTTGACTTATTAAGAAAGAAATGAAATGG 1375
Db 1499 TCTTTGACTTATTAAGAAAGAAATGAGTGGG 1529
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RESULT 10

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US-10-267-502-138
; Sequence 138, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 138
; LENGTH: 1446
; TYPE: DNA
; ORGANISM: Mus musculus
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US-10-267-502-138

Query Match 46.6%; Score 1097.2; DB 18; Length 1446;
Best Local Similarity 90.8%; Pred. No. 1.9e-216;
Matches 1168; Conservative 0; Mismatches 118; Indels 0; Gaps 0;

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Qy 85 GTCAATTATTAGAACGAGGTCTTGAATCAGCGAGATTTATCGGACCGGAGATACCTTG 144
Db 161 GTCACATATTATTAGAACGAGATGCTTGAATGAGAGAGATTTATCGGACCGGAGATACATTG 220
Qy 145 ACCAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTTATCAGACAGACATTG 204
Db 221 ATGATATACAGGAATGACTACTGTGAAGGATATGTTCCAGACATTTACCATAGAGACCTTG 280
Qy 205 AAAGCGGTTATCGAATCCACTGCGAGTAAATCTTCAGTCCGACGAGGAGAGAGTCCCTA 264
Db 281 AAAGCACTTACCGGATCCATTGCGAGTAAATCTTCAGTCCGAGGAGGAGAGAGCCTCA 340
Qy 265 AAAGGAAGCGCATAGACACTGTTCAAGTCAATCAGTCACTTCCGAGAGCCACCGAAGGA 324
Db 341 AGAAGAACGCTAATAGACCTGTGCAAGTCAATCAGTCCGATTCGAAGAGCCACCGAAGGA 400
Qy 325 AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACTGATCTGTCAAAGTGGAGACG 384
Db 401 AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACTGATCTGTCAAAGTGGAGACG 460
Qy 385 TTCTAAGAGCAAGATATGAATCGTGGACACTTTGGGTGAAGGAGCCTTTGGCAAAGTTG 444
Db 461 TTCTAAGAGCAAGATATGAATCGTGGACACTTTAGGTGAAGGAGCCTTTGGCAAAGTTG 520
Qy 445 TAGAGTGCATTTGATCATGGCATGGCATGTCATGTAGCAGTGAATAATCGTAAAAAATG 504
Db 521 TAGAGTGCATTTGATCATGGCATGGCATGTCATGTAGCAGTGAATAATCGTAAAAAATG 580
Qy 505 TAGGCGTGTACCGTGAAGCAGCTCGTTTCAAGATCCAAATTTAGAGCAGCTTTAAATAGTA 564
Db 581 TAGAGCTTTACCGGAGGAGCAGCTCGTTTCAAGATCCAAATTTAGAGCAGCTTTAAATAGTA 640
Qy 565 CTGATCCCAATAGTGTCTTCCGATGTCTCAGATGTCTAGAAATGTTTGTATCATCATGGTC 624
Db 641 CTGACCCCAACAGTGTCTTCCGATGTCTCAGATGTCTAGAGTGGTTTGTATCATCATGGTC 700
Qy 625 ATGTTTGTATTTGTTTGAACACTACTGGGACTTAGTACTTAGCATTTTCAATTAAGAAACA 684
Db 701 ATGTTTGTATTTGTTTGAAGTCTGCTGGGACTTAGTACTTAGCATTTTCAATTAAGAAACA 760
Qy 685 GCTTCTGCGCATTTCAAATTTGACACATCAGGAGATGGGATCAGATCTGCGAGTCAA 744
Db 761 GTTTTCTGCGCATTTCAAATTTGACATCAGGCAATGGCTTATCAGATCTGCGAGTCTA 820
Qy 745 TAAATTTTACATCATATAAATTAACCCATACAGATCTGAAGCCTGAAATAATTTTGT 804
Db 821 TAAATTTTACATCATATAAATTAACACACAGGACCTTAAACCTGAAATAATTTTAT 880
Qy 805 TTGTGAAGTCTGACTATGATCAAAATATAATTTCTAAATGAACGATGAGCGCACAC 864
Db 881 TTGTGAAGTCTGACTATGATCAAAATATAAATTTCTAAATGAACGATGAGCGCACAT 940
Qy 865 TGAATAACACAGATATCAAAGTTGTTGACTTTGGAAGTGCACGATGATGATGAACATC 924
Db 941 TGAATAACACAGATATCAAAGTTGTTGATTTTGAAGTGCACATATGATGAGCGAACATC 1000
Qy 925 ACAGTACTTTTGGTGTCTACCGGCACCTACAGAGCTCCCGAGGTCATTTTGGCTTTAGGTT 984
Db 1001 ATAGTACTTTTGGTGTCTACCAAGGCACTACAGGCTCCAGAGGTCATTTTGGCTCTAGGTT 1060
Qy 985 GGTCTCAGCCTTTGATGATTTTGGAGCATAGGTTGCAATTTCTTATTGAATATTACCTTGGTT 1044
Db 1061 GGTCTCAGCCTTTGATGATTTTGGAGCATAGGCTGCAATTTCTTATTGAGTACTACCTTGGGT 1120
Qy 1045 TCACAGTCTTTGAGTCTATGATTAAGAGCACCTGCAATGATGAGGAGCAATATTAG 1104
Db 1121 TCACAGTCTTTGAGTCTATGATTAAGAGCACCTGCAATGATGAGGAGCAATATTAG 1180
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Qy	1105	GA	CCCATACCAACAACACATGATTCAGAAAACAAAGAAACGGAAGTATTTTCACCATAACC	1164
Db				
	1181	GA	CCCATCCAGACACATATGATCCAGAAGACAAAGAAACGCAAGTATTTCCACCATACC	1240
Qy	1165	AG	CTAGATTGGGATGAACAACAGTTCCTGCTGTAGATATCTTAGGAGACGCTCGAAACCGT	1224
Db				
	1241	AG	CTAGATTGGGACGACCATAGTTCAGCTGGGAGATATGTTAGGAGACGCTCGAACCGT	1300
Qy	1225	TGA	AGGAATTTATGCTTTGTTCATGATGAAGAAACATGAGAAACCTGTTTGACCTGTTCCGAA	1284
Db				
	1301	TAA	AGGAATTTATGCTCTGTTCATGACGAAGAGCATGAGAAAGCTGTTTGACCTGTTCCGAA	1360
Qy	1285	GAA	TGTTTAGAATATGATCCAACTCAAAGAATTACCTTGGATGAAGCATTTGCAGCATCCTT	1344
Db				
	1361	GAA	TGTTGAGTATGACCCAGCGAGAAGGATCACCTTGGATGAAGCATTTGCAGCACCCCT	1420
Qy	1345	TC	TTTGACTTATTTAAAAAGAAATGA	1370
Db				
	1421	TC	TTTGACTTATTTAAAAAGGAAATGA	1446

RESULT 11

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US-09-810-671-3
; Sequence 3, Application US/09810671
; Publication No. US20020076783A1
;
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; THEREOF
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CLO00758
; CURRENT APPLICATION NUMBER: US/09/810,671
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 21234
; TYPE: DNA
; ORGANISM: Human
;
US-09-810-671-3

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Query Match	46.6%	Score 1097	DB 9	Length 21234
Best Local Similarity	100.0%	Pred. No. 7.3e-216		
Matches 1097	Conservative	0	Mismatches 0	Indels 0
			Gaps 0	
QY	1228	AGGAAATTATGCTTTGTCATGATGAGAACATCAGAGAACTGTTTGACCTGGTTTTCGAAGAA	1287	
DB	18138	AGGAAATTATGCTTTGTCATGATGAGAACATCAGAGAACTGTTTGACCTGGTTTTCGAAGAA	18197	
QY	1288	TGTTGAGATATGATCCAACTCAAGAAGATTACCTTGGATGAAGCATTTGCAGCATCCTTTCT	1347	
DB	18198	TGTTGAGATATGATCCAACTCAAGAAGATTACCTTGGATGAAGCATTTGCAGCATCCTTTCT	18257	
QY	1348	TTGACTTTATTAAGAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATATCTCTCTAGA	1407	
DB	18258	TTGACTTTATTAAGAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATATCTCTCTAGA	18317	
QY	1408	AGAGATTACTTTAAGACTGTGTGAGTCAACTAAACATTTCTTAATTTTTTGTAAACATTAAG	1467	
DB	18318	AGAGATTACTTTAAGACTGTGTGAGTCAACTAAACATTTCTTAATTTTTTGTAAACATTAAG	18377	
QY	1468	TTATTTTGTCACAGTTAAGTGTAAATATTTGTATGTTTTGTATCAATAGCATAAATTAACCTG	1527	
DB	18378	TTATTTTGTCACAGTTAAGTGTAAATATTTGTATGTTTTGTATCAATAGCATAAATTAACCTG	18437	
QY	1528	TTAAGCAAGTATGGTCTTTGATAATGCATTAGAAAATTTAAAAATTTAAATTTTTCTTTTTGAA	1587	
DB	18438	TTAAGCAAGTATGGTCTTTGATAATGCATTAGAAAATTTAAAAATTTAAATTTTTCTTTTTGAA	18497	
QY	1588	ATTACATTTTTTAATACCTTTGAAATATCCTTTGTGCCAGTGATAAATGTGATTGATC	1647	
DB	18498	ATTACATTTTTTAATACCTTTGAAATATCCTTTGTGCCAGTGATAAATGTGATTGATC	18557	

RESULT 12

US-10-109-854-3

US-10-109-854-3
Commerce 3 Application US/10109854

; Sequence 3, Application US/1013119548A1
; Application NO. IIS20020119548A1

; Publication No. US20060141100A1
GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: YAN, Chunhua et al.

TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACIDS, AND ANTIBODIES TO SUCH PROTEINS AND NUCLEIC ACIDS

TITLE OF INVENTION: ACID MC

; TITLE OF INVENTION:	TITLE OF INVENTION:
; TITLE OF INVENTION:	TITLE OF INVENTION:
; TITLE OF INVENTION:	TITLE OF INVENTION:

; TITLE OF INVENTION: METHOD
 ; FILE REFERENCE: CL000758DIV

FILE REFERENCE: CL000738DIV
CURRENT APPLICATION NUMBER: US/10/109,854

;
 CURRENT APPLICATION NUMBER: 05/10/105103
 CURRENT FILING DATE: 2002-04-01

; CURRENT FILING DATE: 2002-04-01
 ; PUBLICATION NUMBER: 60/227,470

PRIOR APPLICATION NUMBER: 60/221,470
FILING DATE: 2000-08-24

PRIOR FILING DATE: 2000-08-24

PRIOR APPLICATION NUMBER: 09/810,671

PRIOR FILING DATE: 2001-03-19

NUMBER OF SEQ ID NOS: 5

: SOFTWARE: FastSEQ for Windows Version 4.0

; SOFTWARE: FABO
; SEQ ID NO 3

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; SEQ ID NO 3
:
: LENGTH: 21234

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LENGTH: 21234
TYPE: DNA

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-109-854-3

[illegible]

Db	18618	GACTACTTATATCTTAAAGGAATATCTTTATATATCTTCAAATTTAGAACTTAACCTT	18677
Qy	1768	AAAGTTTTCTCTGTAATGTTGAACGGGTGATTAATTAATCTAGATAAGCAGGT	1827
Db	18678	AAAGGTTTTCTCTGTAATGTTGAACGGGTGATTAATTAATCTAGATAAGCAGGT	18737
Qy	1828	ACTAGAAACCAAACTCAGAAAATGTTTACTGTTAGAAATCTAATTAATTTTAAGTGTTG	1887
Db	18738	ACTAGAAACCAAACTCAGAAAATGTTTACTGTTAGAAATCTAATTAATTTTAAGTGTTG	18797
Qy	1888	TATCTTTCTTCAATGCTGAGGTGATTAACCAAGATCTCATGGAAGGCGATGAG	1947
Db	18798	TATCTTTCTTCAATGCTGAGGTGATTAACCAAGATCTCATGGAAGGCGATGAG	18857
Qy	1948	TTTGTCCAATGTGACAGTTGTTTAAATAAACAACATACACATCTTAATTAAGATTAAA	2007
Db	18858	TTTGTCCAATGTGACAGTTGTTTAAATAAACAACATACACATCTTAATTAAGATTAAA	18917
Qy	2008	TCTAACTGGAAAGTCAGCTTGGAAATGGACATTTCCAAAGTATGTTGGTGAGTCACAGA	2067
Db	18918	TCTAACTGGAAAGTCAGCTTGGAAATGGACATTTCCAAAGTATGTTGGTGAGTCACAGA	18977
Qy	2068	TATAAATAAGAAATCTGATGAGAGGTTTCAGTTTTTAATCAACAGTCTTTAGAGTCT	2127
Db	18978	TATAAATAAGAAATCTGATGAGAGGTTTCAGTTTTTAATCAACAGTCTTTAGAGTCT	19037
Qy	2128	TAACTGGCCAGCATCTGTTTATCAATCAATCAATCAATCAATCAATCAATCAATCAAT	2187
Db	19038	TAACTGGCCAGCATCTGTTTATCAATCAATCAATCAATCAATCAATCAATCAATCAAT	19097
Qy	2188	TTTATTAATTAAGCAATTTATGTTCTGATTAATCTTACGGGAGAAAGAGGATTTGATTG	2247
Db	19098	TTTATTAATTAAGCAATTTATGTTCTGATTAATCTTACGGGAGAAAGAGGATTTGATTG	19157
Qy	2248	GAAGCAGTTTTGGGAAGAAAGTCTGCTGAAATTTCCAGAAATTTAATTTGATTGATTG	2307
Db	19158	GAAGCAGTTTTGGGAAGAAAGTCTGCTGAAATTTCCAGAAATTTAATTTGATTGATTG	19217
Qy	2308	AAACTTTTTGACTTCAG 2324	
Db	19218	AAACTTTTTGACTTCAG 19234	

RESULT 14
US-10-801-671-3
; Sequence 3, Application US/10801671
; Publication No. US20040152123A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV-III
; CURRENT APPLICATION NUMBER: US/10/801,671
; CURRENT FILING DATE: 2004-03-17
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 21234
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-801-671-3
Query Match 46.6%; Score 1097; DB 19; Length 21234;
Best Local Similarity 100.0%; Pred. No. 7.3e-216;
Matches 1097; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1228 AGGAATTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTTGACCTGGTTGCGAAGAA 1287

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RESULT 15
US-10-425-114-26212
; Sequence 26212, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kowalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53113)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 26212
; LENGTH: 3040
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4115-001-H8_FLI
US-10-425-114-26212

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Query Match	41.5%	Score 977.4	DB 18	Length 3040
Best Local Similarity	99.9%	Pred. No. 1.6e-191		
Matches 978	Conservative 0	Mismatches 1	Indels 0	Gaps 0
Qy	398	ATATGAATCGTGACACTTTGGGTGAAGGAGCCCTTTGGCAAAAGTTGTAGAGTGCATTGA	457	
Db	2062	AGATGAATCGTGACACTTTGGGTGAAGGAGCCCTTTGGCAAAAGTTGTAGAGTGCATTGA	2121	
Qy	458	TCATGGCATGGATGGCATGTCATGTAGCAGTGAAAAATCGTAAAAATGTAGAGTGCATTGA	517	
Db	2122	TCATGGCATGGATGGCATGTCATGTAGCAGTGAAAAATCGTAAAAATGTAGAGTGCATTGA	2181	
Qy	518	TGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGAGCACTTTAAATAGTACTGATCCCAATAG	577	
Db	2182	TGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGAGCACTTTAAATAGTACTGATCCCAATAG	2241	
Qy	578	TGCTCTCCGATGTGTCAGATGCTAGAAATGGTTTGATCATCATGTCATGTTTCTGATTGT	637	
Db	2242	TGCTCTCCGATGTGTCAGATGCTAGAAATGGTTTGATCATCATGTCATGTTTCTGATTGT	2301	
Qy	638	GTTTGAACACTCTGGCACTTAGTACTTAGCATTTTCATTTAAAGAAACAGCTTTCTGCCATT	697	
Db	2302	GTTTGAACACTCTGGCACTTAGTACTTAGCATTTTCATTTAAAGAAACAGCTTTCTGCCATT	2361	
Qy	698	TCAAAATGACACATCAGGCAGATGGCGTATCAGATCTGCAGTCAATAAATTTTTTACA	757	
Db	2362	TCAAAATGACACATCAGGCAGATGGCGTATCAGATCTGCAGTCAATAAATTTTTTACA	2421	
Qy	758	TCATAATAAATTAACCCATACAGATCTGAAGCCGTGAAAAATTTTGTGTGAAGTCTGA	817	
Db	2422	TCATAATAAATTAACCCATACAGATCTGAAGCCGTGAAAAATTTTGTGTGAAGTCTGA	2481	
Qy	818	CTATGTAGTCAAAATATAATCTTAAAAATGAAACGTGATGAACGCACACTGAAAAACACAGA	877	
Db	2482	CTATGTAGTCAAAATATAATCTTAAAAATGAAACGTGATGAACGCACACTGAAAAACACAGA	2541	
Qy	878	TATCAAAAGTTGTGACTTTGGAAGTGCAACGTATGATGATGAACATACAGTACTTTGGT	937	
Db	2542	TATCAAAAGTTGTGACTTTGGAAGTGCAACGTATGATGATGAACATACAGTACTTTGGT	2601	
Qy	938	GTCTACCCGGCACTACAGAGCTCCGAGGTCAATTTGGCTTTTACGTTGGTCTCAGCCTTG	997	
Db	2602	GTCTACCCGGCACTACAGAGCTCCGAGGTCAATTTGGCTTTTACGTTGGTCTCAGCCTTG	2661	
Qy	998	TGATGTTTGGAGCATAGGTTGCATTTCTTATTGAATAATTACCTCTGGTTTTCACAGTCTTTCA	1057	

Search completed: August 4, 2005, 01:51:07
Job time : 1523.99 secs

2662	TGATGTTTGGAGCATAGGTTGCAATTCCTTATTGAATATTACCTTGGTTTTCACAGCTCTTTCA	2721
1058	GACTCATGATAGTAAAGAGCAGCACCTGGCAATGATGGAAACGAATATTAGGACCCCATACCCACA	1117
2722	GACTCATGATAGTAAAGAGCAGCACCTGGCAATGATGGAAACGAATATTAGGACCCCATACCCACA	2781
1118	ACAATGATTTCAGAAAAACAAGAAAAACGAAGTATTTTTCACCATAAACGAGCTAGATTGGGA	1177
2782	ACAATGATTTCAGAAAAACAAGAAAAACGAAGTATTTTTCACCATAAACGAGCTAGATTGGGA	2841
1178	TGAACACAGTTCCTGGTGGATGATGTTAGGAGACGCTGCAAAACCGTTGAAGCAATTTAT	1237
2842	TGAACACAGTTCCTGGTGGATGATGTTAGGAGACGCTGCAAAACCGTTGAAGCAATTTAT	2901
1238	GCCTTTGTCATGTAAGAACATCAGAAAACTGTTTGACCTGGTTCGAAGAAATGTTAGAAATA	1297
2902	GCCTTTGTCATGTAAGAACATCAGAAAACTGTTTGACCTGGTTCGAAGAAATGTTAGAAATA	2961
1298	TGATCCAACCTCAAGAATATTACCTTGGATGAAGCATTTGCAGCATCCTTTCTTTGACTTTATT	1357
2962	TGATCCAACCTCAAGAATATTACCTTGGATGAAGCATTTGCAGCATCCTTTCTTTGACTTTATT	3021
1358	AAAAAAGAAATGAAATGGG	1376
3022	AAAAAAGAAATGAAATGGG	3040

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; CURRENT FILING DATE: 2002-04-01									
; PRIOR APPLICATION NUMBER: 60/227,470									
; PRIOR FILING DATE: 2000-08-24									
; PRIOR APPLICATION NUMBER: 09/810,671									
; PRIOR FILING DATE: 2001-03-19									
; NUMBER OF SEQ ID NOS: 5									
; SOFTWARE: FastSeq for Windows Version 4.0									
; SEQ ID NO 1									
; LENGTH: 2354									
; TYPE: DNA									
; ORGANISM: Homo sapien									
US-10-109-854-1									
Query Match 100.0%; Score 2354; DB 4; Length 2354;									
Best Local Similarity 100.0%; Pred. No. 0;									
Matches 2354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
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Db	1	GCCAGCTGGGGTTACTTTAAAAACAATGCTCCATGTGCATCCCTCTTTGAAGCTTCGCACT	60						
Qy	61	CTGTTGAAGAGGACACTCATCCCACTCATTTATTTAGAAGCAAGGTCTCTTGAATGAGCGAG	120						
Db	61	CTGTTGAAGAGGACACTCATCCCACTCATTTATTTAGAAGCAAGGTCTCTTGAATGAGCGAG	120						
Qy	121	ATTATCCGGACCGAGATACGTTTGAAGCAATACAGCAATGACTACTCTGAAGGATATGTTCT	180						
Db	121	ATTATCCGGACCGAGATACGTTTGAAGCAATGCTTGACGAATACAGCAATGACTACTCTGAAGGATATGTTCT	180						
Qy	181	CTAGACATTATCACAGAGACACTTCAAAGCGGGTATCGAATCCACTGCGAGTAAATCTTCAG	240						
Db	181	CTAGACATTATCACAGAGACACTTCAAAGCGGGTATCGAATCCACTGCGAGTAAATCTTCAG	240						
Qy	241	TCCGCACGAGAGAACGAGTCTTAAAGAGCGCAATAGACACTGTTTCAAGTCATCAGT	300						
Db	241	TCCGCACGAGAGAACGAGTCTTAAAGAGCGCAATAGACACTGTTTCAAGTCATCAGT	300						
Qy	301	CAGTTTCAAGAGCCACCGAAGGAAAGATCCAGGAGTATAGAGATGATGAGGAGGTC	360						
Db	301	CAGTTTCAAGAGCCACCGAAGGAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTC	360						
Qy	361	ACCTGATCTGTCAAAGTGGAGACGTTCTTAAGAGCAAGATATGAATCGTGGACACTTTGG	420						
Db	361	ACCTGATCTGTCAAAGTGGAGACGTTCTTAAGAGCAAGATATGAATCGTGGACACTTTGG	420						
Qy	421	GTGAAGAGGCGCTTTGGCAAAAGTTGTAGAGTGCA TTGATCAT TGGCATGGAATGCGCATG	480						
Db	421	GTGAAGAGGCGCTTTGGCAAAAGTTGTAGAGTGCA TTGATCAT TGGCATGGAATGCGCATG	480						
Qy	481	TAGCAGTGAANAATCGTAAAAAATGTAGGCGGTTACCGTGAAGCAGCTCGTTACAGAAATCC	540						
Db	481	TAGCAGTGAANAATCGTAAAAAATGTAGGCGGTTACCGTGAAGCAGCTCGTTACAGAAATCC	540						
Qy	541	AAGTATTAGAGCACTTAAATAGTACTGATCCCAATAGTGTCTTCCGATGTGTCCAGATGC	600						
Db	541	AAGTATTAGAGCACTTAAATAGTACTGATCCCAATAGTGTCTTCCGATGTGTCCAGATGC	600						
Qy	601	TAGAAATCGTTTGATCATCATGGTCAATGTTGTATGTGTTTGAAGTACTCTGGAATCTAGTA	660						
Db	601	TAGAAATCGTTTGATCATCATGGTCAATGTTGTATGTGTTTGAAGTACTCTGGAATCTAGTA	660						
Qy	661	CTTACGATTTTCATTAAGAAACACAGCTTCTCGCCATTTCAAATTTGACCAATCAGGAGCA	720						
Db	661	CTTACGATTTTCATTAAGAAACACAGCTTCTCGCCATTTCAAATTTGACCAATCAGGAGCA	720						
Qy	721	TGGCGTATCAGATCTGCCAGTCAAATAATTTTTTACATCATATAATAAATTAACCCATACAG	780						
Db	721	TGGCGTATCAGATCTGCCAGTCAAATAATTTTTTACATCATATAATAAATTAACCCATACAG	780						
Qy	781	ATCTGAAGCCGTGAAAATATTTTGGTTGTGAAGTCTGACTATGTAGTCAAAATATAAATCTTA	840						
Db	781	ATCTGAAGCCGTGAAAATATTTTGGTTGTGAAGTCTGACTATGTAGTCAAAATATAAATCTTA	840						

1921 ACCAGACATTCATGGAAGGCGATGAGTTTGTCCATTGTGACAGTTTGTATTAATAAACCC 1980
1981 ACATACACACTTTATTAAGATTAAATCTAACTGGAAGTCAGCTTGGAAAAATGGACAT 2040
1981 ACATACACACTTTATTAAGATTAAATCTAACTGGAAGTCAGCTTGGAAAAATGGACAT 2040
2041 TTCCAAAGTATGTTGGTGAAGTACAGATATATAAATAAGAAAATTTCTGATGAGAGGTTTCAG 2100
2041 TTCCAAAGTATGTTGGTGAAGTACAGATATATAAATAAGAAAATTTCTGATGAGAGGTTTCAG 2100
2101 TTTTAAATACCAAGTCCTTTAGGAGTCTTAACATTTGGCCAGCATCTGTTTATCAAAATGACA 2160
2101 TTTTAAATACCAAGTCCTTTAGGAGTCTTAACATTTGGCCAGCATCTGTTTATCAAAATGACA 2160
2161 TAAATACGTAACCTATTAAGATTAAATTTAGGCAATTTATGCTGTGATTAAT 2220
2161 TAAATACGTAACCTATTAAGATTAAATTTAGGCAATTTATGCTGTGATTAAT 2220
2221 TCTTACGGGAGAAAGAGATTGATTGGAAAGCAGTTTGGGAAGAAAGTGCTGCTGAAT 2280
2221 TCTTACGGGAGAAAGAGATTGATTGGAAAGCAGTTTGGGAAGAAAGTGCTGCTGAAT 2280
2281 TTCAGAAATTAATGATTGTTTACATAAATTTTGTGACTTCAGAAAAAATAAAAA 2340
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RESULT 3
US-10-339-656-1
; Sequence 1, Application US/10339656
; Patent No. 6733978
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10339,656
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq For Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2354
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-339-656-1

Query Match 100.0%; Score 2354; DB 4; Length 2354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCAGCTGGGGTACTTTAAAAAATCATGCTCCATGTGATCCCTCTTGAAGCTTCGCACT 60
DB 1 GCAGCTGGGGTACTTTAAAAAATCATGCTCCATGTGATCCCTCTTGAAGCTTCGCACT 60
QY 61 CTGTTGAAGAGGACACTCATCCAGTCATTATTTAGAACGAGTCCTTGAATGAGCGAG 120
DB 61 CTGTTGAAGAGGACACTCATCCAGTCATTATTTAGAACGAGTCCTTGAATGAGCGAG 120
QY 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTTCTGTGAAGGATATGTTTC 180
DB 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTTCTGTGAAGGATATGTTTC 180

181 CTAGACATTATCACAGAGACATTTGAAAGCGGGTATCGAATCCACTGCAAGTAAATCTTTCAG 240
181 CTAGACATTATCACAGAGACATTTGAAAGCGGGTATCGAATCCACTGCAAGTAAATCTTTCAG 240
241 TCAGCAGCAGGAGAACAGCAGTCTTAAAGGAAGCGGCAATAGACACTGTTCAAGTCATCAGT 300
241 TCAGCAGCAGGAGAACAGCAGTCTTAAAGGAAGCGGCAATAGACACTGTTCAAGTCATCAGT 300
301 CAGCTTGAAGAGCCACCGAAGGAAGATCCAGGAGTATAGAGGATGATGAGAGGGTTC 360
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361 ACCTGATCTCTCAAAAGTGGAGAGCTTCTAAGACCAAGATATGAAATCTGTGGACACTTTGG 420
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421 GTGAAGAGAGCTTTGGCAAGTGTAGAGTGCATTCATGCGCATGGATGGATGCATG 480
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481 TAGCAGTGAAAAATCGTAAAAAATGTAGCCGCTTACCGTGAAGCAGCTCGTTCAAGAAATCC 540
481 TAGCAGTGAAAAATCGTAAAAAATGTAGCCGCTTACCGTGAAGCAGCTCGTTCAAGAAATCC 540
541 AAGTATTAGAGCAGCTTAAATAGTACTGATCCCAATAGTGTCTCCGAGTGTCCAGATGC 600
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601 TAGAATGGTGTGATCATCATGTTGTATGTTGTTGTTGAACTACTGGGACTTTAGTA 660
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721 TGGCGTATCAGATCTGCCAGTCAATAAATTTTACATCATATAAATTAACCCATACAG 780
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901 GTGCAACGTATCATGATGAACATCAGTACTTTGGTGTCTACCCGCACTACAGAGCTC 960
961 CCGAGGTCAATTTGGCTTTAGGTGCTCAGCTTGTGATGTTTGGAGCATAGGTTCGA 1020
961 CCGAGGTCAATTTGGCTTTAGGTGCTCAGCTTGTGATGTTTGGAGCATAGGTTCGA 1020
1021 TTCTTATTAATTAATTTACCTTTGGTTTTCAGAGTCTTTTACAGACTCATGATAGTAAAGCACC 1080
1021 TTCTTATTAATTAATTTACCTTTGGTTTTCAGAGTCTTTTACAGACTCATGATAGTAAAGCACC 1080
1081 TGGCAATGATGGAACGAATATTAGGACCATACCAACACACATGATTCAGAAAAACAGAA 1140
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1141 AAGCAAGTATTTTACCATTAACCATGATGGATGAAACACAGCTCTGCTGGTAGAT 1200
1201 ATGTTAGGAGACGCTGCAAAACCGTTGAAAGGAATTTATGCTTTCATGATGAAGACATG 1260
1201 ATGTTAGGAGACGCTGCAAAACCGTTGAAAGGAATTTATGCTTTCATGATGAAGACATG 1260

Qy 1261 AGAACTGTTTGACCTGGTTCGAAGAATGTTAGAAATATGATCCAACTCAAAGAATTACCT 1320
Db 1261 AGAACTGTTTGACCTGGTTCGAAGAATGTTAGAAATATGATCCAACTCAAAGAATTACCT 1320
Qy 1321 TGGATGAAGCATTGACGATCCTTTCTTGACTTATTAAAAAGAAATGAAATGGGAATC 1380
Db 1321 TGGATGAAGCATTGACGATCCTTTCTTGACTTATTAAAAAGAAATGAAATGGGAATC 1380
Qy 1381 AGTGGTCTTACTATATCTCTCTAGAGAGATCTTAAAGACTGTGTCAGTCAACTAAA 1440
Db 1381 AGTGGTCTTACTATATCTCTCTAGAGAGATCTTAAAGACTGTGTCAGTCAACTAAA 1440
Qy 1441 CATCTTAATATTTTGAACATTAATATTTTGTACAGTAACTGTAATATTTGATG 1500
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Db 1561 AAATTAATAATTAATTTTCTTTTGAATTAACCAATTTTAAATACCTTTGAAATATCCTT 1620
Qy 1621 TGTGTCAGTGATTAATGATGATCTGTCCTTTTGTACATGAGAGTCACTCTGAAT 1680
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Qy 1681 GATTTTTTTTGAAGAAAGAAATCTTGACTACTTTATATTTCTTAAAGGAATATCTTTA 1740
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Qy 1741 TATATCTCAATTTAGAACTTAACCTTTAAAGTTTTTCTCTGTAATTTGTAACGGGTG 1800
Db 1741 TATATCTCAATTTAGAACTTAACCTTTAAAGTTTTTCTCTGTAATTTGTAACGGGTG 1800
Qy 1801 ATTATTAATTAAGTATAGAGAGTACTAGAAACCAAACTCAGAAATGTTTACTGT 1860
Db 1801 ATTATTAATTAAGTATAGAGAGTACTAGAAACCAAACTCAGAAATGTTTACTGT 1860
Qy 1861 TAGAATCTAATTAATTTTAAAGTGTGTTATTTCTTTTCTGTTGATGTCAGGGTGATA 1920
Db 1861 TAGAATCTAATTAATTTTAAAGTGTGTTATTTCTTTTCTGTTGATGTCAGGGTGATA 1920
Qy 1921 ACCAGACATTCATGGAAGGATGACGTTTGTCCATTTGTGACAGTGTGTTTAAATAACC 1980
Db 1921 ACCAGACATTCATGGAAGGATGACGTTTGTCCATTTGTGACAGTGTGTTTAAATAACC 1980
Qy 1981 ACATACACATTTATTTAAGATTAATAATCTAACTGGAAGTCACTTTGGAATAATGGACAT 2040
Db 1981 ACATACACATTTATTTAAGATTAATAATCTAACTGGAAGTCACTTTGGAATAATGGACAT 2040
Qy 2041 TTCCAAGTATGTTTGGTGAAGTACAGATATAAAATAGAAATCTGATGAGAGTTTCAG 2100
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Qy 2101 TTTTAAATACCAAGTCTTAGGAGTCTTAACTTGGCCAGCATCTGTTTATCAAAATGACA 2160
Db 2101 TTTTAAATACCAAGTCTTAGGAGTCTTAACTTGGCCAGCATCTGTTTATCAAAATGACA 2160
Qy 2161 TAAATAGCTAAACCTATAAGATTAAGTTTAAATTTAGGCAATTTATGTCGTGTAAT 2220
Db 2161 TAAATAGCTAAACCTATAAGATTAAGTTTAAATTTAGGCAATTTATGTCGTGTAAT 2220
Qy 2221 TCTTACGGGAAGAGAGATTTGATTTGGAAGAGGATTTGGGAAGAGAGTCTGCTGAAAT 2280
Db 2221 TCTTACGGGAAGAGAGATTTGATTTGGAAGAGGATTTGGGAAGAGAGTCTGCTGAAAT 2280
Qy 2281 TTTCCAGATTTAATTTGATTTGATATTAATTTTGTACATTAATTTTGTACATTAATTAATA 2340
Db 2281 TTTCCAGATTTAATTTGATTTGATATTAATTTTGTACATTAATTTTGTACATTAATTAATA 2340
Qy 2341 AACAAAAAANAAC 2354

Db 2341 AACAAAAAANAAC 2354
RESULT 4
US-09-016-000-9
; Sequence 9, Application US/09016000
; Patent No. 5962232
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Shah, Purvi
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl G.
; TITLE OF INVENTION: PROTEIN KINASE MOLECULES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,000
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0465 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2446 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: NEUTFWT01
; CLONE: 339963
US-09-016-000-9

Query Match 87.2%; Score 2052.6; DB 2; Length 2446;
Best Local Similarity 95.8%; Pred. No. 0;
Matches 2155; Conservative 0; Mismatches 4; Indels 90; Gaps 1;
Qy 85 GTCAATATTTAGAACCAAGTCTTGAATGAGCGAGATTAATCGGACCGGAGATACCTTG 144
Db 288 GTCAATATTTAGAACCAAGTCTTGAATGAGCGAGATTAATCGGACCGGAGATACCTTG 347
Qy 145 ACCAATACAGGATGACTCTGTAAGGATATCTTCTAGACATTAATCAGAGACATTTG 204
Db 348 ACCAATACAGGATGACTCTGTAAGGATATCTTCTAGACATTAATCAGAGACATTTG 407
Qy 205 AAAGCGGGTATCGAATCCCACTGCGAGTAAATCTTCAGTCCGACGAGAGAGAGTCTTA 264
Db 408 AAAGCGGGTATCGAATCCCACTGCGAGTAAATCTTCAGTCCGACGAGAGAGAGTCTTA 467
Qy 265 AAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCACTGTTCAAGAGAGCCACGAGGA 324

Db	1458	TCCTTGACCTTATTAAGAAAGAAATGAAATGGAATCAGTGGTCTTACTATATACCTCTCT	1517
Qy	1405	AGAAGAGATTACTTAAGACTGTGTCAGTCAACTAAACATCTTAATATTTTGTGTAACAATT	1464
Db	1518	AGAAGAGATTACTTAAGACTGTGTCAGTCAACTAAACATCTTAATATTTTGTGTAACAATT	1577
Qy	1465	AAATATTTTGTACAGTAAAGTGTAAATATTTGTATGTTTGTATCAATAGCATAAATAAC	1524
Db	1578	AAATATTTTGTACAGTAAAGTGTAAATATTTGTATGTTTGTATCAATAGCATAAATAAC	1637
Qy	1525	TTGTTAAGCAAGTATGCTGTGATAATGCTTGAAGAAATTAATAATTTTCTTTT	1584
Db	1638	TTGTTAAGCAAGTATGCTGTGATAATGCTTGAAGAAATTAATAATTTTCTTTT	1697
Qy	1585	GAATTTACCAATTTTAAATACCTTTGAAATATCTCTTGTGTCAGTGATAAATGTGATTG	1644
Db	1698	GAATTTACCAATTTTAAATACCTTTGAAATATCTCTTGTGTCAGTGATAAATGTGATTG	1757
Qy	1645	ATCTTGCTTTTGTACATGAGGTGACCTCTGAAGTGAATTTTGTGAGTAAAGGAAAT	1704
Db	1758	ATCTTGCTTTTGTACATGAGGTGACCTCTGAAGTGAATTTTGTGAGTAAAGGAAAT	1817
Qy	1705	CTTGACTACTTATATTTCTTAAGGAATATTTCTTATATATCTTCAAAATTTAGAACTTAAC	1764
Db	1818	CTTGACTACTTATATTTCTTAAGGAATATTTCTTATATATCTTCAAAATTTAGAACTTAAC	1877
Qy	1765	TTTAAAGTTTTCTCTGTAATTTGTTGAACGGGTGATTAATTAATCTAGTAAGCA	1824
Db	1878	TTTAAAGTTTTCTCTGTAATTTGTTGAACGGGTGATTAATTAATCTAGTAAGCA	1937
Qy	1825	GGTACTAGAAACCAAACTCAGAAATGTTTACCTGTGTTAGTAATTTTAAAGT	1884
Db	1938	GGTACTAGAAACCAAACTCAGAAATGTTTACCTGTGTTAGTAATTTTAAAGT	1997
Qy	1885	TTGTTATCTTTTCAATCGGTGATGTCAGGTGATTAACCCAGATTCATGAAAGGCAATG	1944
Db	1998	TTGTTATCTTTTCAATCGGTGATGTCAGGTGATTAACCCAGATTCATGAAAGGCAATG	2057
Qy	1945	CAGTTTGTCCATGTTGACAGTGTGTTTAAATAAACCCATACACACTTTTAAAGATTA	2004
Db	2058	CAGTTTGTCCATGTTGACAGTGTGTTTAAATAAACCCATACACACTTTTAAAGATTA	2117
Qy	2005	AAATCTAACTGGAAGTCAAGTTTGAAGAAATGGAACATTTTCAAGTATGTTTGGTGAATC	2064
Db	2118	AAATCTAACTGGAAGTCAAGTTTGAAGAAATGGAACATTTTCAAGTATGTTTGGTGAATC	2177
Qy	2065	AGATATAAAATAGAAATTTCTGATGAGAGTTTCAAGTTTAAATCAAGTCTTAGGAG	2124
Db	2178	AGATATAAAATAGAAATTTCTGATGAGAGTTTCAAGTTTAAATCAAGTCTTAGGAG	2237
Qy	2125	TCTTAACATTTGGCCAGCATCTGTTTATCAATGACATAAATACGTAAGAAAT	2184
Db	2238	TCTTAACATTTGGCCAGCATCTGTTTATCAATGACATAAATACGTAAGAAAT	2297
Qy	2185	AGTTTATTAATTTAGCAATTTTATGCTGTGATAATTTCTTACGGGAGAAAGGATTGA	2244
Db	2298	AGTTTATTAATTTAGCAATTTTATGCTGTGATAATTTCTTACGGGAGAAAGGATTGA	2357
Qy	2245	TTGGAAGCAAGTTTGGGAAGAAAGTCTGCTGAAATTTCCAGAAATTTAATTTGATTGTTA	2304
Db	2358	TTGGAAGCAAGTTTGGGAAGAAAGTCTGCTGAAATTTCCAGAAATTTAATTTGATTGTTA	2417
Qy	2305	CATAAACTTTTTCACCTTTCAGAAAAA 2333	
Db	2418	CATAAACTTTTTCACCTTTCAGAAAAA 2446	

RESULT 5
US-09-023-655-699
; Sequence 699, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.

; PRIOR FILING DATE: 1996-12-19									
; NUMBER OF SEQ ID NOS: 26									
; SOFTWARE: PatentIn version 3.0									
; SEQ ID NO 26									
; LENGTH: 1549									
; TYPE: DNA									
; ORGANISM: Mus musculus									
US-09-905-999-26									
Query Match 46.6%; Score 1097.4; DB 4; Length 1549;									
Best Local Similarity 90.6%; Pred. No. 9.9e-266;									
Matches 1170; Conservative 0; Mismatches 121; Indels 0; Gaps 0;									
QY	85	GTCAATATTAGAGCAAGGTCCTTGAATGAGGAGATTATCGGACCGGAGATACGTTG	144						
DB	239	GTCACTATTTAGAAGCAAGATGCTTGAATGAGAGATTATCGGACCGGAGATACATTG	298						
QY	145	ACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGACATTG	204						
DB	299	ATGAATACAGAAATGACTACTGGAAGGATATGTTCCAAGACATTACCATAGAGCGTTG	358						
QY	205	AAAGCGGATCGAAATCCACTGTCAGTAAATCTTTCAGTCCGACGAGGAGAGACGTCCTA	264						
DB	359	AAAGCACTTACCGGATCCATTGCAATTAATCTCTAGTCAAGGAGGAGAGAGCGCCCTA	418						
QY	265	AAAGGAAGCCATAGACACTGTTCAAGTCATCAGTCAGTTCGAAAGGCCACCGAAGGA	324						
DB	419	AGAGAAGCGTAATAGACCTGTGCAAGTCAATCAGTCGATTCGAAGAGCCACCGAAGGA	478						
QY	325	AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACTGTATCTCTCAAAAGTGGAGCG	384						
DB	479	AAAGATCCAGGATATAGAGGATGATGAGGAGGTCACTGTATCTCTCAAAAGTGGAGCG	538						
QY	385	TTCTAAGAGCAAGATATGAATCGTGGACACTTTGGTGAAGAGCGCTTTGGCAAAAGTTG	444						
DB	539	TTCTAAGAGCAAGATATGAATCGTGGACACTTTAGGTGAAGAGCGCTTTGGCAAAAGTTG	598						
QY	445	TAGATGCTATTGATCGGATGATGGATGATGATGATGATGATGATGATGATGATGATGATG	504						
DB	599	TAGATGCTATTGATCGGATGATGGATGATGATGATGATGATGATGATGATGATGATGATG	658						
QY	505	TAGGCGGTTACCGTGAAGAGAGCTGTTTCAGAAATCCAAATATTCAGAGCACTTAAATAGTA	564						
DB	659	TAGGACGTTTACCGGAGGAGAGCTGTTTCAGAAATCCAAATATTCAGAGCACTTGAACAGCA	718						
QY	565	CTGATCCCAATAGTGTCTCCGATGTCGAGATGTCAGATGTCAGATGTCAGATGTCAGATG	624						
DB	719	CTGACCCCAACAGTGTCTCCGATGTCGAGATGTCAGATGTCAGATGTCAGATGTCAGATG	778						
QY	625	ATGTTTGTATTGTTTGAACACTAGTGGACTTAGTACTTACGATTTTCATTTAAAGAAACA	684						
DB	779	ATGTTTGTATTGTTTGAACACTAGTGGACTTAGTACTTACGATTTTCATTTAAAGAAACA	838						
QY	685	GCTTTCGCCATTTCAAATGACACATCAGGAGATGCGGTATCAGATCTGCCAGTCAA	744						
DB	839	GTTTTCGCCATTTCAAATGATCAGATCAGGCAATGGCTTATCAGATCTGCCAGTCAA	898						
QY	745	TAAATTTTTCATCATATAATAAATAAACCACATCAGATCTGAAGCCTGAAATATTTTGT	804						
DB	899	TAAATTTTTCATCATATAATAAATAAACCACATCAGATCTGAAGCCTGAAATATTTTAT	958						
QY	805	TTGTGAAGTCTGACTATGATCAAAATATAATCTTAAATGAACCGTGTGAACGACAC	864						
DB	959	TTGTGAAGTCTGACTATGATCAAAATATAATCTTAAATGAACCGGATGAGCGCACAT	1018						
QY	865	TGAAAAACACAGATATCAAAGTGTGCTTGGAGTGCACCTGATGATGATCAACATC	924						
DB	1019	TGAAAAACACAGATATCAAAGTGTGCTTGGAGTGCACCTGATGATGATGATCAACATC	1078						
QY	925	ACAGTACTTTGGTGTCTCCAGGACCTACAGAGCTCCCGAGGTCAATTTGGCTTTAGGTT	984						
DB	1079	ATAGTACTTTGGTGTCTCCAGGACCTACAGGCTCCAGAGGTCAATTTGGCTCTAGGTT	1138						

RESULT 7
US-09-810-671-3
; Sequence 3, Application US/09810671
; Patent No. 6455291
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810,671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 21234
; TYPE: DNA
; ORGANISM: Human
US-09-810-671-3

Query Match 46.6%; Score 1097; DB 3; Length 21234;
Best Local Similarity 100.0%; Pred. No. 4.4e-265;
Matches 1097; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1228 AGGAATTTATGCTTTGTCATGATGAAGAACATGAGAAACTGTTTGACCTGGTTCGAAGAA 1287
DB 18138 AGGAATTTATGCTTTGTCATGATGAAGAACATGAGAAACTGTTTGACCTGGTTCGAAGAA 18197
QY 1288 TGTTAGAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATTCGACATCCTTTCT 1347
DB 18198 TGTTAGAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATTCGACATCCTTTCT 18257
QY 1348 TTGACCTTTTAAAAAGAAATGAATGGGAATCAAGTGGTCTTACTATATATCTCTCTAGA 1407
DB 18258 TTGACCTTTTAAAAAGAAATGAATGGGAATCAAGTGGTCTTACTATATATCTCTCTAGA 18317
QY 1408 AGAGATTACTTAAGACTGTCTCAGTCAACTCAACTCAACTCAACTCAACTCAACTCAACTCA 1467
DB 18318 AGAGATTACTTAAGACTGTCTCAGTCAACTCAACTCAACTCAACTCAACTCAACTCAACTCA 18377
QY 1468 TTATTTTGTACAGTTAAGTCAATATTTGATGCTTTTGTATCAATAGCATAATTAACCTG 1527
DB 18378 TTATTTTGTACAGTTAAGTCAATATTTGATGCTTTTGTATCAATAGCATAATTAACCTG 18437

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QY 1528 TTAAGCAAGTATGGTCTTGATTAATGCATTAGAAAAATTAATAATTAATTTCTTTTGAA 1587
Db 18438 TTAAGCAAGTATGGTCTTGATTAATGCATTAGAAAAATTAATAATTAATTTCTTTTGAA 18497
QY 1588 ATTACCAATTTTAAATACCTTTGAAATATCTTTGTCAGTGATAAATGTGATGCATC 1647
Db 18498 ATTACCAATTTTAAATACCTTTGAAATATCTTTGTCAGTGATAAATGTGATGCATC 18557
QY 1648 TTGCTTTTGTACATGGAGTCACTCTGAGTGAATTTTGTGAGTAAAGGAAATCTTT 1707
Db 18558 TTGCTTTTGTACATGGAGTCACTCTGAGTGAATTTTGTGAGTAAAGGAAATCTTT 18617
QY 1708 GACTACTTTATATCTTAAAGGAATATCTTTATATACCTTCAAAATTTAGAACTTAATTT 1767
Db 18618 GACTACTTTATATCTTAAAGGAATATCTTTATATACCTTCAAAATTTAGAACTTAATTT 18677
QY 1768 AAAAGTTTTTCTCTGTAATTTGTTGAACGGGTGATTAATTAATCTCTAGATAAGCAGGT 1827
Db 18678 AAAAGTTTTTCTCTGTAATTTGTTGAACGGGTGATTAATTAATCTCTAGATAAGCAGGT 18737
QY 1828 ACTAGAAACCAAACTCAGAAAAATGTTTACTGTTAGAAATCTATTAATTTTAAAGTGTG 1887
Db 18738 ACTAGAAACCAAACTCAGAAAAATGTTTACTGTTAGAAATCTATTAATTTTAAAGTGTG 18797
QY 1888 TATTTCTTTTCAATTTGGGTGATGCAGGTGATTAACCCAGACATTCATGGAAGGCATGCAG 1947
Db 18798 TATTTCTTTTCAATTTGGGTGATGCAGGTGATTAACCCAGACATTCATGGAAGGCATGCAG 18857
QY 1948 TTTGTCCATTTGCACAGTTGTTTAAATAAACCCACATACACACTTTTATTTAAAGATTAAA 2007
Db 18858 TTTGTCCATTTGCACAGTTGTTTAAATAAACCCACATACACACTTTTATTTAAAGATTAAA 18917
QY 2008 TCTAACTGGAAAGTCAGTTTGGAAAAATGGACATTTTCCAAAGTATGTTTGGTGAGTCAAGA 2067
Db 19918 TCTAACTGGAAAGTCAGTTTGGAAAAATGGACATTTTCCAAAGTATGTTTGGTGAGTCAAGA 19977
QY 2068 TATAAAAAATAGAAATTTCTGATAGAGGTTTCAGTTTTTAAATACCAAGTCCTTAGGAGTCT 2127
Db 18978 TATAAAAAATAGAAATTTCTGATAGAGGTTTCAGTTTTTAAATACCAAGTCCTTAGGAGTCT 19037
QY 2128 TAACATTTGGCCAGCATCTGTTTATCAANTGACATAAATACGTAAACCTATAAGAAATTAG 2187
Db 19038 TAACATTTGGCCAGCATCTGTTTATCAANTGACATAAATACGTAAACCTATAAGAAATTAG 19097
QY 2188 TTTATTAATTTAGGCAATTTATGCTGTGATAATTTCTTACGGGAGAAAGAGGATTTGATTTG 2247
Db 19098 TTTATTAATTTAGGCAATTTATGCTGTGATAATTTCTTACGGGAGAAAGAGGATTTGATTTG 19157
QY 2248 GAAAGCAGTTTGGGAAGAAAGTGTGCTGTAATTTCCAGAAATTTAATTTGATTTGTTACAT 2307
Db 19158 GAAAGCAGTTTGGGAAGAAAGTGTGCTGTAATTTCCAGAAATTTAATTTGATTTGTTACAT 19217
QY 2308 AAACCTTTTTCACCTTCAG 2324
Db 19218 AAACCTTTTTCACCTTCAG 19234
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RESULT 8

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US-10-109-854-3
; Sequence 3, Application US/10109854
; Patent No. 6630337
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: THEREOF
; FILE REFERENCE: CL000758DIV
; CURRENT APPLICATION NUMBER: US/10109,854
; CURRENT FILING DATE: 2002-04-01
; PRIOR FILING DATE: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
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; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 21234
; TYPE: DNA
; ORGANISM: Homo sapien
; US-10-109-854-3

Query Match 46.6%; Score 1097; DB 4; Length 21234;
Best Local Similarity 100.0%; Pred. No. 4.4e-265;
Matches 1097; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1228 AGGAATTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTTGACCTGGTTCGAGAA 1287
Db 18138 AGGAATTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTTGACCTGGTTCGAGAA 18197
QY 1288 TGTAGATATATGATCCAACTCAAGAAATTAACCTTTGATGAAGCAATTCAGCATCCTTTCT 1347
Db 18198 TGTAGATATATGATCCAACTCAAGAAATTAACCTTTGATGAAGCAATTCAGCATCCTTTCT 18257
QY 1348 TTGACTTTATTTAAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTTCTCTAGA 1407
Db 18258 TTGACTTTATTTAAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTTCTCTAGA 18317
QY 1408 AGAGATTACTTAAGACTGTGTCACTCAACTCAAGAAATTAACCTTTTGTAAACATTTAAA 1467
Db 18318 AGAGATTACTTAAGACTGTGTCACTCAACTCAAGAAATTAACCTTTTGTAAACATTTAAA 18377
QY 1468 TTAATTTGTACAGTTAAGTGTAAATATTTGTATGTTTGTATCAATAGCATAATTAACCTTG 1527
Db 18378 TTAATTTGTACAGTTAAGTGTAAATATTTGTATGTTTGTATCAATAGCATAATTAACCTTG 18437
QY 1528 TTAAGCAAGTATGGTCTTGATTAATGCATTAGAAAAATTAATAATTAATTTTCTTTTGAA 1587
Db 18438 TTAAGCAAGTATGGTCTTGATTAATGCATTAGAAAAATTAATAATTAATTTTCTTTTGAA 18497
QY 1588 ATTACCAATTTTAAATACCTTTGAAATATCTTTGTCAGTGATAAATGTGATGCATC 1647
Db 18498 ATTACCAATTTTAAATACCTTTGAAATATCTTTGTCAGTGATAAATGTGATGCATC 18557
QY 1648 TTGCTTTTGTACATGGAGTCACTCTGAAAGTGAATTTTGTGAGTAAAGGAAATCTTT 1707
Db 18558 TTGCTTTTGTACATGGAGTCACTCTGAAAGTGAATTTTGTGAGTAAAGGAAATCTTT 18617
QY 1708 GACTACTTTATATCTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTTA 1767
Db 18618 GACTACTTTATATCTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTTA 18677
QY 1768 AAAAGTTTTTCTCTGTAATTTGTTGAACGGGTGATTAATTAATCTCTAGATAAGCAGGT 1827
Db 18678 AAAAGTTTTTCTCTGTAATTTGTTGAACGGGTGATTAATTAATCTCTAGATAAGCAGGT 18737
QY 1828 ACTAGAAACCAAACTCAGAAAAATGTTTACTGTTAGAAATCTATTAATTTTAAAGTGTG 1887
Db 18738 ACTAGAAACCAAACTCAGAAAAATGTTTACTGTTAGAAATCTATTAATTTTAAAGTGTG 18797
QY 1888 TATTTCTTTTCAATTTGGGTGATGTCAAGGTGATAACCCAGACATTCATGGAAGGCATGCAG 1947
Db 18798 TATTTCTTTTCAATTTGGGTGATGTCAAGGTGATAACCCAGACATTCATGGAAGGCATGCAG 18857
QY 1948 TTTGTCCATTTGCACAGTTTGTTTAATAAACCCACATACACACTTTTATTTAAAGATTAAA 2007
Db 18858 TTTGTCCATTTGCACAGTTTGTTTAATAAACCCACATACACACTTTTATTTAAAGATTAAA 18917
QY 2008 TCTAACTGGAAAGTCAGTTTGGAAAAATGGACATTTTCCAAAGTATGTTTGGTGAGTCAAGA 2067
Db 18918 TCTAACTGGAAAGTCAGTTTGGAAAAATGGACATTTTCCAAAGTATGTTTGGTGAGTCAAGA 18977
QY 2068 TATAAAAAATAGAAATTTCTGATAGAGGTTTCAGTTTTTAAATACCAAGTCCTTAGGAGTCT 2127
Db 18978 TATAAAAAATAGAAATTTCTGATAGAGGTTTCAGTTTTTAAATACCAAGTCCTTAGGAGTCT 19037
QY 2128 TAACATTTGGCCAGCATCTGTTTATCAANTGACATAAATACGTAAACCTATAAGAAATTAG 2187
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Db 19038 TAACATTGGCCAGCATCTGTTTATCAATGACATAAATACGTAACACCTATAAGAAATAAG 19097
Qy 2188 TTTATTAAATTAGGCAATTTATGCTGCTGATAATCTTACGGGAGAAAGAGATTGATTG 2247
Db 19098 TTTATTAAATTAGGCAATTTATGCTGCTGATAATCTTACGGGAGAAAGAGATTGATTG 19157
Qy 2248 GAAAGCAGTTTGGGAGAAAGTGTGCTGAAATTTCCAGAAATTTAAATTGATTGGTTACAT 2307
Db 19158 GAAAGCAGTTTGGGAGAAAGTGTGCTGAAATTTCCAGAAATTTAAATTGATTGGTTACAT 19217
Qy 2308 AAACCTTTTGACTTCAG 2324
Db 19218 AAACCTTTTGACTTCAG 19234

RESULT 9
US-10-339-656-3
; Sequence 3, Application US/10339656
; Patent No. 6733978
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339, 656
; PRIOR FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 10/109, 854
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/810, 671
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/227, 470
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 21234
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-339-656-3

Query Match 46.6%; Score 1097; DB 4; Length 21234;
Best Local Similarity 100.0%; Pred. No. 4.4e-265;
Matches 1097; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1228 AGGAATTTATGCTTGTCTGATGATGAAGAACATGAGAAACTGTTTGACCTGGTTTGAAGAA 1287
Db 18138 AGGAATTTATGCTTGTCTGATGATGAAGAACATGAGAAACTGTTTGACCTGGTTTGAAGAA 18197
Qy 1288 TGTAGAAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCATTTGCAGCATCCTTTCT 1347
Db 18198 TGTAGAAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCATTTGCAGCATCCTTTCT 18257
Qy 1348 TTGACTTATTAAAAAGAAATGAATGGGAATCAGTGGTCTTACTATATCTCTCTAGA 1407
Db 18258 TTGACTTATTAAAAAGAAATGAATGGGAATCAGTGGTCTTACTATATCTCTCTAGA 18317
Qy 1408 AGAGATTACTTAAGACTGTGTCAGTCAACTAAACATTTCTAATATTTTGTAAACATTAAA 1467
Db 18318 AGAGATTACTTAAGACTGTGTCAGTCAACTAAACATTTCTAATATTTTGTAAACATTAAA 18377
Qy 1468 TTATTTTGACAGTTAAGTGAATATTTGATGTTTGTATCAATAGCATAAATTAACATTG 1527
Db 18378 TTATTTTGACAGTTAAGTGAATATTTGATGTTTGTATCAATAGCATAAATTAACATTG 18437
Qy 1528 TTAAGCAAGTATGCTTCTGATATGATGATAAATAAATAAATTTCTTTCTTTTGA 1587
Db 18438 TTAAGCAAGTATGCTTCTGATATGATGATAAATAAATAAATTTCTTTCTTTTGA 18497
Qy 1588 ATTACATTTTAAATACCTTTTGAATATCCTTTTGTGTCAGTGATAAATGTGATTGATC 1647
Db 18498 ATTACATTTTAAATACCTTTTGAATATCCTTTTGTGTCAGTGATAAATGTGATTGATC 18557
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Qy 1648 TTGCTTTTGTACATGGAGGTCACTCTGAACTGATTTTTTTTGTAGTAAAGGAATCTT 1707
Db 18558 TTGCTTTTGTACATGGAGGTCACTCTGAACTGATTTTTTTTGTAGTAAAGGAATCTT 18617
Qy 1708 GACTACTTTATATTTCTTAAAGGAATATTTCTTTATATATACCTTCAAAATTTAGAACTTTAACTTT 1767
Db 18618 GACTACTTTATATTTCTTAAAGGAATATTTCTTTATATATACCTTCAAAATTTAGAACTTTAACTTT 18677
Qy 1768 AAAAGTTTTTCTTCTGTAATTTGTTGAACGGGTGATTTATTTAACTCTAGATAAGCAGGT 1827
Db 18678 AAAAGTTTTTCTTCTGTAATTTGTTGAACGGGTGATTTATTTAACTCTAGATAAGCAGGT 18737
Qy 1828 ACTAGAAACCAAACTCAGAAAAATGTTTACTGTTAGAAATTTCTTATAAAATTTTAAAGTTG 1887
Db 18738 ACTAGAAACCAAACTCAGAAAAATGTTTACTGTTAGAAATTTCTTATAAAATTTTAAAGTTG 18797
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Db 18798 TATTCTTTTTCATTTGGGTGATCTCAGGGTGATAACCCAGACATTTTCATGGAAGGCATGCAG 18857
Qy 1948 TTTGTCCATTGTGACAGTTTGTTTAATAAAACCCACATACACACTTTTATTTAAGATTAAAA 2007
Db 18858 TTTGTCCATTGTGACAGTTTGTTTAATAAAACCCACATACACACTTTTATTTAAGATTAAAA 18917
Qy 2008 TCTAACTGGAAGTCTGAGTTTGGAAAAATGGACATTTTCCAAAGTATGTTTGGTGAGTCCACAGA 2067
Db 18918 TCTAACTGGAAGTCTGAGTTTGGAAAAATGGACATTTTCCAAAGTATGTTTGGTGAGTCCACAGA 18977
Qy 2068 TATAAAAATAGAAAATCTGATGAGAGTTTCAAGTTTCAATTAACCAAGTCTTTAGAGTCT 2127
Db 18978 TATAAAAATAGAAAATCTGATGAGAGTTTCAAGTTTCAATTAACCAAGTCTTTAGAGTCT 19037
Qy 2128 TAACTATGCGCAGCATCTGTTTATCAATGACATAAATACGTAAACCTATAGAAATTAAG 2187
Db 19038 TAACTATGCGCAGCATCTGTTTATCAATGACATAAATACGTAAACCTATAGAAATTAAG 19097
Qy 2188 TTTATTAAATTAGGCAATTTATGCTGCTGATAATTTCTTACGGGAGAAAGAGGATTTGATTG 2247
Db 19098 TTTATTAAATTAGGCAATTTATGCTGCTGATAATTTCTTACGGGAGAAAGAGGATTTGATTG 19157
Qy 2248 GAAAGCAGTTTGGGAGAAAGTGTGCTGAAATTTCCAGAAATTTAATTTGATTGGTTACAT 2307
Db 19158 GAAAGCAGTTTGGGAGAAAGTGTGCTGAAATTTCCAGAAATTTAATTTGATTGGTTACAT 19217
Qy 2308 AAACCTTTTGACTTCAG 2324
Db 19218 AAACCTTTTGACTTCAG 19234

RESULT 10
US-09-919-039-238
; Sequence 238, Application US/09919039
; Patent No. 6727066
; GENERAL INFORMATION:
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
; FILE REFERENCE: PA-0035 US
; CURRENT APPLICATION NUMBER: US/09/919, 039
; CURRENT FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: 60/222, 113
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 401
; SOFTWARE: PERL Program
; SEQ ID NO 238
; LENGTH: 2254
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6727066 420527.25
; FEATURE:
; NAME/KEY: unsure
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; LOCATION: 231, 241
; OTHER INFORMATION: a, t, c, g, or other
US-09-919-039-238

Query Match      27.2%; Score 640.6; DB 4; Length 2254;
Best Local Similarity 72.1%; Pred. No. 8e-151;
Matches 880; Conservative 0; Mismatches 329; Indels 12; Gaps 3;

Qy 398 ATATGAAATCGTGACACTTTGGGTGAAGGAGCCTTTGGCAAAAGTTCTAGAGTGCATTGA 457
Db 983 AGATGAAATGTTGATACACTTTAGGTGAAGGAGCTTTTGGAAAAAGCTTGGGAGTGCATCGA 1042
Qy 458 TCATGGCATGGATGGCATGATGTAGCAGTGAATAATCGTAAAAAATGTAGCCGTTACCG 517
Db 1043 TCATAAAGCGGGAGGTAGACATGTAGCAGTAAAAAATAGTTAAAAAATGTGGATAGACTG 1102
Qy 518 TGAAGCAGCTCGTTTCAAAATCCAAATATTAGAGCACTTAAATAGTAGTACTGATCCCAATAG 577
Db 1103 TGAAGCTGCTCGTTCAGAAATACAAATCTGGAACATCTGAAATCAACAGACCCCAACAG 1162
Qy 578 TGTCTTCCGATGTCTCAGATGCTAGAAATGGTTTGATCATCGTGTCTGTTGTATTGT 637
Db 1163 TACTTTCCGCTGTCTCAGATGTTGGAATGGTTTGAGCATCATGTGTCAATTTGCAATGT 1222
Qy 638 GTTTGAACTACTGGCACTTAGTACTTACGATTTCAITTAAGAAAAACAGCTTTTGCCTT 697
Db 1223 TTTTGAATTTGGGACTTAGTACTTACGACTTTCATTAAGAAAAATGGTTTCTTACCAT 1282
Qy 698 TCATAATTGACCATCAGGAGATGGGTATCAGATCTGCCAGTCAATAAATTTTACA 757
Db 1283 TCGACTGGATCATATCAGAAAGATGGCATATCAGATATGCAAGTCTGTGAATTTTGTGCA 1342
Qy 758 TCATAATAAATTAACCCATACAGATCTGAAGCCTTGAATAATTTTGTGTGAAGTCTGA 817
Db 1343 CAGTAATAAGTTGACTCACACAGACTTAAGACCTTGAACATCTTATTGTGCACTGA 1402
Qy 818 CTATGTAGTCAAAATATTAATTTTAAATGAAACGTGATGAACGCACACTGAAAAACACAGA 877
Db 1403 CTACACAGAGCGGTATAATCCCAAAATTAACCGTGAATGAACGCACCTTAATAATCCAGA 1462
Qy 878 TATCAAGTTGTTGACTTTTGGAGTGAACGTATGATGATGAACATCACAGTACTTTGTT 937
Db 1463 TATTAAAGTTGTAGACTTTGGTGTGCAATATGATGACGAACATCACAGTACTTTGGT 1522
Qy 938 GTCTACCGGCACTTACAGAGCTCCGAGGTCATTTTGGCTTTTAGTTGTCTCAGCCCTTG 997
Db 1523 ATCTACAGACATATAGAGCACTTGAAGTATTTTAGCCCTAGGTGGTCCCAACCATG 1582
Qy 998 TGATGTTGGAGCATAGGTTGCAATCTTATGAAATATTAATCTTGGTTTCAAGTCTTTTCA 1057
Db 1583 TGATGCTGGAGCATAGGATGCAATCTTATGAAATATTAATCTTGGGTTTACCGGTATTTCC 1642
Qy 1058 GACTCATGATAGTAAGAGCACCTGGCAATGATGGAACGATATATTAGGACCCATACCACA 1117
Db 1643 AACACAGATAGTAAGAGCATTTAGCAATGATGGAAGGATTTCTTGGACCTCTTACCATA 1702
Qy 1118 ACACATGATTCAGAAAAACAGAAAAACCAAGTATTTTCAACATAACCGACTAGATTGGGA 1177
Db 1703 ACATATGATACAGAAACACAGAAACGTAATATTTTCAACAGATCGATTAGACTGGGA 1762
Qy 1178 TGAACACAGTTCTGCTGGTATATGTTAGAGACGCTGCAAAACCGTTGAAGGAATTTAT 1237
Db 1763 TGAACACAGTTCTGCGGCGAGATATGTTTCAAGACGCTGTAAACCTCTGAAGGAATTTAT 1822
Qy 1238 GCTTTGTGATGATGAAGAACATGAAACCTGTTTGAACCTGTTTGGAGANTGTTAGNATA 1297
Db 1823 GCTTTTCTCAAGATGTTGAACATGAGCTCTTTTGAACCTCATTCAGAAAAATGTTGGAGTA 1882
Qy 1298 TGATCCAACTCAAGAAATTAACCTTGGATGAAGCATTCAGACATCTCTTTCTTTCGACTTAT 1357
Db 1883 TGATCCAGCCAAAGAAATTAATCTCTCAGAGAAAGCCTTAAGACATCTCTTTCTTTCGACTTCT 1942
Qy 1358 AAAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTTCTCTPAGAAGAGATTACT 1417
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Db 1943 GAAGAAAA-----GTATATAGATCTCTAAATTTGACAGCTCTCTCGAAGAGA-TCTT 1992
Qy 1418 TAAGACTGTGTGAGTC--AACTAAACATTTCTAATAATTTTGTAAACATTAATAATTTTGTG 1475
Db 1993 ACAGACTGTATGATCTAATTTTAAATTTTAAATTTTGTATGATTTTGTACAGCTTTGTAAATCT 2052
Qy 1476 TACAGTTAAGTGTAAATATTTGTATGTTTGTATCAATAGCATATTAATTAATCTTTGTAAGCAA 1535
Db 2053 TAAATTTTATATGTCATGTTTATTTTGTGTTGGTAAATTTGTTTCTCATTAAGTACATAG 2112
Qy 1536 GTATGCTTGTATTAATGCAATTAAGAAATTAATAATTAATTTTCTTTTGTGAAATTCACAT 1595
Db 2113 CTAAGGTAAATGAACATCTTTTTCAGTAAATTTGTAAGATTTATTCAGAAATAAATTTTTT 2172
Qy 1596 TTTTAAATACCTTTTGAATAT 1616
Db 2173 GTGCTTATGAAGTTGATATGT 2193

RESULT 11
US-09-905-999-22
; Sequence 22, Application US/09905999
; Patent No. 6797513
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, Axel
; APPLICANT: NAYLER, Oliver
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/09/905,999
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286
; PRIOR FILING DATE: 1996-12-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 22
; LENGTH: 1538
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-905-999-22

Query Match      20.4%; Score 481.2; DB 4; Length 1538;
Best Local Similarity 64.6%; Pred. No. 7.9e-111;
Matches 736; Conservative 0; Mismatches 398; Indels 6; Gaps 1;

Qy 214 ATCGAATCCACTGCAGTAAATCTTCAGTCGCGCAGCAGGAGAGCAGTCTTAAAAAGGAAGC 273
Db 329 ATCGAGAGAACAGCAGTTACCGAAGCCGCGCAGCAGCCGAGGAACACACAGAGGCGGA 388
Qy 274 GCAATAGACACTGTTTCAAGTTCATCAGTTCGAGAGCCACCGAAGGAAAAAGATCCA 333
Db 389 GGAGACGAGCGCGGACATTCAGCGCTCATCTTTCACACACAGCAGCG- ----GAGAGCCA 442
Qy 334 GGAATATAGAGATGATGAGGAGGGTCACTGATCTGTCTAAAGTGGAGAGCTTCTTAAGAG 393
Db 443 AGAGTGTAGAGGAGCAGCGCTGAGGGCCACCTCATCTACACAGCTCGGGGAGCTGGCTACAAG 502
Qy 394 CAAGATATGAAATCGTGGACACTTTGGTGAAGGAGCCTTTGGCAAGTGTGTAGAGTGCA 453
Db 503 AGCATATGAAATTTGAAGCACCTTAGGAGAGGAGCTTCGGGCCGAGTTGTGCAAGTGTG 562
Qy 454 TTGATCATGCGCATGGATGGCATGTCATGTAGCAGTGAATAATCGTAAAAAATGTAGGCCGTT 513
Db 563 TGGACCATCGACGGGCGGAACACGAGTTGCCCTGGAAGATCAITTAAGAATGTGGAAGT 622
Qy 514 ACCGTGAAGCAGCTCGTTTCAAGAAATCCAGTATTTAGAGCACTTAAATGACTGATCCCA 573
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Db 623 ACAAGGAGCAGCCGCGACTAGAAATCAACGTCGTGGAGAAATCAATGAGAAAGATCCTG 682
Qy 574 ATAGTGTCTTCGAGTGTCCGAGATCTAGATGCTTTGATCATCATGTCATGTCATGTTGTA 633
Db 683 ACAACAAGAACCTGTGTGCCAGATGTTTGAGCTGTTGACTACCATGGCCACATGTGTA 742
Qy 634 TTGTGTTTGAACCTACTGGGACTTAGTACCTTACGATTTTCAATTAAGAAACACCTTTCTGC 693
Db 743 TCTCCTTTGAGCTTTGGGCTTAGACCTTCGATTTCTTCAAGACAACACTACCTTGC 802
Qy 694 CATTTCAAATGACCACATACGCGAGATGGCGTATCAGATCTGCCAGTCAATAAATTTTT 753
Db 803 CTTACCCCATCAACAAAGTGGCCACATGGCCTTCCAGCTCTGCCAGGCGCTCAAGTTCC 862
Qy 754 TACATCATATATAATTAACCCATACAGATCTGAGCGCTGAATATTTTGTGTTGTAAGT 813
Db 863 TCCATGATTAACAGTTGACATACGAGCTCAAACTTGAANAATATCTTGTITGTAAT 922
Qy 814 CTGACTATGTAGTCAAAATATAATTTCAAAATGAAACGTCATGAAACGCACTGAAAAACA 873
Db 923 CAGACTACGAACTACCTACACCTAGAGAAGAGCGAGATGAGCGAGTGAAGAGCA 982
Qy 874 CAGATATCAAAAGTTGTGACTTTTGGAGTGCACCGTATGATGATGAAGAACATCAGTACTT 933
Db 983 CAGCGCTGCGGGTGTGGAGCTTCGGCAGTGCACCTTTGACCAACGAAACCATAGCACCA 1042
Qy 934 TGGTGTCTACCGGCACTACAGAGCTCCGAGGTCAATTTTGGCTTTAGGTGCTCTCAGC 993
Db 1043 TTGTCTCCACTCGCCATTAACGAGCCCCGAGGTCACTCTGGAGTTGGGCTGTCTACAGC 1102
Qy 994 CTTGTGATGTTGGAGCATAGTTGCAATTTCTTATTAATATTAACCTTTGGTTTCACAGTCT 1053
Db 1103 CATGCCATGTAGGAGCATAGGCTGCATCATCTTTGAGTACTAGCTTGCCTTCACCTCT 1162
Qy 1054 TCCAGACTCATGATGAAGAGCACTCGGCAATGATGGAACGAAATATTAGAGCCCATAC 1113
Db 1163 TCCAGACCCATGACACAGAGAGCATCTAGCCATGATGGAAGGATCCTGGGCTCTGTCC 1222
Qy 1114 CACAACACATGATTCAGAAACCAAGAAAGCGAAGTATTTTACCATACACAGCTAGATT 1173
Db 1223 CTTCTCGGATGATCAGAAAGCAAGAAACAGAAATATTTTATCGGGTGCCTGGATT 1282
Qy 1174 GGGATGAACACAGTCTTCTGCTGTAGATATGTTAGGAGCGCTGCAACCGTTGAAGGAAT 1233
Db 1283 GGGATGAACACACTCAGCGCGCGCTACGTTCTGTGAGAACTGCAAACTCTGCGCGGT 1342
Qy 1234 TTAATGCTTCTCATGATGAAGACATGAGAACTGTTGACCTGTTGCGAAGATGTTAG 1293
Db 1343 ATCTGACCTCAGAGGAGAGGAGCCACCAACGAGCTCTTCGATCTGATGAAATATGCTAG 1402
Qy 1294 AATATGATCAACTCAAAAGATTTACCTTGGATGAAGCATTCGAGCATCCTTTCTTTGACT 1353
Db 1403 AGTATGAGCCTGTAAAGCGCTGACCTTAGTGAAGCCCTTACGATCCTTTCTTCGCT 1462

RESULT 12

US-09-905-999-24
; Sequence 24, Application US/09905999
; Patent No. 6797513
; GENERAL INFORMATION:
; APPLICANT: NAYLER, Oliver
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/09/905,999
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286

; PRIOR FILING DATE: 1996-12-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 24
; LENGTH: 1787
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-905-999-24

Query Match 19.3%; Score 454.8; DB 4; Length 1787;
Best Local Similarity 65.0%; Pred. No. 3.7e-104;
Matches 672; Conservative 0; Mismatches 362; Indels 0; Gaps 0;
Qy 317 CCGAAGGAAAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACTGATCTGTCAAAG 376
Db 447 CAGTAAGCGCAGCAGCCGAGTGTGGAAGATGACAAGGAGGCCACCTGGTGTGCGGAT 506
Qy 377 TGGAGACGTTCTAGAGCAAGATATAAATCGTGACACTTTGGGTGAGGAGCCTTTGG 436
Db 507 CGGCGATTTGGCTCCAGAGCGATATGAGATCGTGGGAAACCTGGGTGAAGGCACCTTTGG 566
Qy 437 CAAAGTTGTAGAGTGCATTGATGATGGCATGGATGGCATGATGATGAGTGAATAATCGT 496
Db 567 CAAAGTTGTGAGTGTCTTGGACCATGCCAGAGGAGTCAAGGTTGCCCTGAAGTATCAT 626
Qy 497 AAAAAATGTAGCCGTTTACCCTGAAAGCAGCTCGTTTCAAGAAATCCAAGTATTAGAGCACTT 556
Db 627 CCGTAATGTGGGCAAGTATCGGGAAGCTGCTGCTAGAAAATTAATGTCTTCAAGAAAAAT 686
Qy 557 AATATAGTACTATCCCAATAGTGTCTCCGATGCTCCAGATGCTAGATGCTTGTGATCA 616
Db 687 CAAAGAGAAGACAAGGAAATAAGTTCCTTTGTGCTGATGTCTGACTGGTTCAACTT 746
Qy 617 TCATGCTCATGTTGTTGTTGTTGAACTACTGGGACTTAGTACTTACGATTTCAATTAA 676
Db 747 CCAATGTCATATGTCATCGCCTTTGAGCTCTGGGCAAGAACACTTTGAGTTCTCTGAA 806
Qy 677 AGAAAAACAGCTTTCGCCATTTCAAATTGACCAATCAGGAGAGTGGCGTATCAGATCTG 736
Db 807 GGAGAAACACTTCCAGCCTTACCCTTACCACATGTCCGGCACATGGCCTACAGCTCTG 866
Qy 737 CCAGTCAATAAATTTTACATCAATAAATTAACCCATACAGATCTCAAGCCTCAAAA 796
Db 867 TCATGCCCTTAGATTCTACACAGAAACAGCTGACCCACACAGACTTGAGGCCAGAA 926
Qy 797 TATTTTGTGTGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAATCAAAAGTATGA 856
Db 927 CATCTGTTGTGAATTTCTGAGTTTGAACCTCTTACATGAGCAACAGAGCTGCGAGGA 986
Qy 857 AGCAGACTGAAAAACACAGATATCAAGTTGTGACTTTGGAAGTGGCAACGTATGATGA 916
Db 987 GAAATCAGTGAAGAAACACAGCATCCGAGTGGCAGACTTTGGCAGTGCACCGTTTGACCA 1046
Qy 917 TGAACATCAGACTTCTTGGTGTCTACCGGCACTACAGAGTCCCGAGTCTCAATTTTGGC 976
Db 1047 TGAACATCAGACCAACCAITTTGGCCACCTGCTACCTACCCGCCACCTGAGGTGATCTTGA 1106
Qy 977 TTTAGGTTGGTCTCAGCCTTTGTGATGTTTGGAGCATAGTGTGCAATTTCTTATTAATAATTA 1036
Db 1107 GCTGGGCTGGGCACAGCCTTTGATGCTCTGGAGTATCGGCTGCTCTCTTTGAGTACTA 1166
Qy 1037 CTTTGGTTTTCAGAGTCTTTTCAGACTCATGATAGTAAAGAGCACCTGGCATGTGAGACG 1096
Db 1167 CCGTGGCTTTACACTCTTCCAGACCCATGAAAATAGAGAACACTTGGTTATGATGAGAA 1226
Qy 1097 AATATTAGACCCCATACCAACACATGATTTCAGAAAAACAAGAAAAACGCAAGTATTTTCA 1156
Db 1227 GATTTAGGACCCATCCCATCAACATGATCCACCGTACCAAGAGCAGAAATATTTCTA 1286
Qy 1157 CCATAACCCAGCTAGATTGGGATGAACACAGTCTCTGCTGTGATATATGTTAGGAGACGCTG 1216
Db 1287 CAAAGGGGCTTGGTTTGGATGAGAAACAGCTCTGATGGCGGTATGTGAAGGAGAACTG 1346

QY 1217 CAAACGTTGAAGGATTTATGCTTTGTCATGATGAAGACATGAGAAACTGTTGACCT 1276
Db 1347 CAAACCTCTGAAGAGTTACATGCTGCGAGCATGTCAGCTGTTTGACCT 1406
QY 1277 GGTTCGAAGAAATGTTAGAAATATGATCAACTCAAGAAATACCTTTGGATGAAGCATTTGCA 1336
Db 1407 GATGAGAGGATGTTAGAGTTGACCTGCTCAGCGCATCACATTTGCAGAGCCTTGCT 1466

QY 1337 GCATCCTTTCTTG 1350
Db 1467 GCACCCCTTCTTG 1480

RESULT 13

US-09-016-434-1439
; Sequence 1439, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCIYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1439:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1762 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: G632971

US-09-016-434-1439

Query Match 18.4%; Score 432.4; DB 4; Length 1762;
Best Local Similarity 63.6%; Pred. No. 1.6e-98;
Matches 658; Conservative 0; Mismatches 376; Indels 0; Gaps 0;

QY 317 CCGAGAGAAAGATCCAGGAGTATAGAGGATGAGAGGGTCCACCTGATCTGTCAAAG 376
Db 440 CAGTAAGCGCACAGCGCGAGTGTGGAAGATGACAAGGAGGGTCACTGTGTGCGCGAT 499
QY 377 TGAGAGCTTCTAAGACACAAGATGAATCGTGGACACTTTGGTGCAAGGAGCCTTTGG 436
Db 500 CGCGGATGGCTCCAAGAGCGATATGAGATTGTGGGAACTGTGGTGAAGGCACCTTTGG 559

QY 437 CAAAGTTGTAGAGTGCATTGATCATGGCATGGATGGCATGCATGTAGCAGTGAATAATCGT 496
Db 560 CAAAGTGTGGAGTGTCTGGACCATGCCAGAGGGAAGTCTCAGGTTCGCCCTGAAGATCAT 619
QY 497 AAAAAATGTAGGCGCTTTACCGTGAAGCAGCTCGTTCAAGAAATCAACGATATTTAGAGCACTT 556
Db 620 CCCACAGTGGGCAAGTACCGGAGGCTGCCCGCTAGAAATCAACGTGCTCAAAAAAAT 679
QY 557 AAATAGTACTGATCCCAATAGTGTCTCCGATGTGTCAGATGCTAGAAATGGTTTGTATCA 616
Db 680 CAAGGAGAGGACAAAAGAAAAAAGTTCTGTGTCTGATGTCTGACTGGTTCACACTT 739
QY 617 TCATGCTCATGTTTGTATTGTTGNACTACTCGGACCTTAGTACTTACGATTTTCATTA 676
Db 740 CCAAGTGCATGTCATGTCATGCTTTGAGCTCTGGGCAAGAACACCTTTGAGTTCCTGAA 799
QY 677 AGAAAAACAGCTTTCTGCCATTTCAAAATTTGACACATCAGGACAGATGGCGTATCAGATCTG 736
Db 800 GGAGATAACTTCCAGCCTTACCCCTTACCACATGTCGGGCACTGGCCTTACCAGCTCTG 859
QY 737 CCAAGTCAATAAATTTTTCATCATATAATAAATTAACCCATACAGATCTGAAGCCTGAAAA 796
Db 860 CCACGCCCTTAGATTTCTGCATGAGAATCAGCTGACCCATACAGACTTGAACCTGAGAA 919
QY 797 TATTTTGTGTGAGTCTGACTATGTAGTCAATAATAATCTTAAATGAACGTGATGA 856
Db 920 CATCTCTGTTGTGAATTTCTGAGTTTGAACCTCTACAATGAGCACAGAGCTGTGAGGA 979
QY 857 ACGCACATGAAAAACACAGATATCAAAAGTTGTGTGACTTTGGGAAGTCAACGATGATGA 916
Db 980 GAAGTCAGTGAAGAACACAGCATCCGATGCGTGTGACTTTGGCAGTGCACATTTGACCA 1039
QY 917 TGAACATCACAGTACTTGTGTGTACCCGCGCACTACAGAGCTCCGAGGTCACTTTTGGC 976
Db 1040 TGAGCACACACACCACTTGTGCGCCACCTGCTATCGCCCGCTGAGGTGATCCTTGA 1099
QY 977 TTTAGTGTGCTCAGCCTTGTGATGTTTGGAGCATAGTTGCACTTCTTATTGATATTA 1036
Db 1100 GCTGGGCTGGGCAACGCCCTGTGACGTCTGGAGCATTTGGCTGCACTTCTTTGAGTACTA 1159
QY 1037 CTTTGTGTTTCCAGACTCTTTCCAGACTCATGATAGTAAAGACACCTGGCAATGATGGAACG 1096
Db 1160 CCGGGGCTTCCACTCTTCCAGACCCACGAAACCCGAGACCACTGGTGTGATGATGGAGAA 1219
QY 1097 AATATTAGGACCCATACCAACACATGATTTAGAAACAAAGAAAAACGCAAGTATTTTCA 1156
Db 1220 GATCCTAGGCGCCATCCCATCAACATGATCCACCGTACCAGGAAGCAGAAATATTTCTA 1279
QY 1157 CCATAACCACTAGATTGGATGAACACAGTTCTGCTGGTAGATATGTTAGGAGACCGCTG 1216
Db 1280 CAAAGGGGCGCTAGTTTGGGATGAGAACACAGCTCTGACGGCCGGTATGTGAAGGAGAACTG 1339
QY 1217 CAAACCGTTGAAGGAATTTATGCTTTGTCATGATGAAGACATGAGAAACCTGTTGACCT 1276
Db 1340 CAAACCTCTGAAGATTACATGCTCCAAAGCTCCCTGGAGCAGCTGCGAGCTGTTGACCT 1399
QY 1277 GGTTCGAAGAAATGTTAGAAATATGATCCAACTCAAGAAATTTACCTTGGATGAAGCATTTGCA 1336
Db 1400 GATGAGGAGGATGTTAGAAATTTGACCTTGCACGCGCATCACACTGGCCGAGGCCCTGCT 1459
QY 1337 GCATCCTTTCTTG 1350
Db 1460 GCACCCCTTCTTG 1473

RESULT 14

US-09-949-016-2648
; Sequence 2648, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

```

; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2648
; LENGTH: 1763
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2648

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Query Match	18.3%	Score 430.8	DB 4	Length 1763
Best Local Similarity	63.5%	Pred. No. 3.9e-98		
Matches 657	Conservative 0	Mismatches 377	Indels 0	Gaps 0
QY	317	CCGAAGGAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAG 376		
Db	440	CAGTAAGCGCAGCGGAGTGTGGAAGATGACAAGGAGGTCACCTGTGTGCCGAT 499		
QY	377	TGGAGACGTTCTAAGAGCAAGATAGAAATCGTGGACACTTTGGTGAAGAGCCTTTGG 436		
Db	500	CGCGAATTGGCTCCAAGAGCGATATGAGATTGTGGGGAACCTGGGTGAAGGCACCTTTGG 559		
QY	437	CAAAAGTTGTAGAGTGCAATTGATCATGCGATGGATGGCATGTGTAGCAGTGAAGATCGT 496		
Db	560	CNAGGTGGTGGAGTGTCTGGACCATGTCAGAGGGAAGTCTCAGGTTGCCCTGAAGATCAT 619		
QY	497	AAAAAATGTAGCGCGTTTACCCTGAAGCAGCTCGTTCAGAAATCCAAGTATTAGAGCACTT 556		
Db	620	CCGCAAGCTGGGCAAGTATCCGGGAGGCTGCCGCTAGAAATCNAAGTGCTCAAAAAAT 679		
QY	557	AAATAGTACTGTATCCCAATAGTGTCTTCCGATGTGTCCAGATGCTAGAAATGGTTTGATCA 616		
Db	680	CAAGGAGAAGGACAAAGAAAAACAAGTTCCTGTGTGTCTTGATGTCGACTGGTTCAACTT 739		
QY	617	TCATGTCATGTTTGTAATTGTGTTGAATCTACCTGGGACTTAGTACTTTACGATTTCAATA 676		
Db	740	CCACGGTCAATGTGCATCGCCTTTGAGCTTCCTGGGCAAGAACCTTTTGAGTTTCTGAA 799		
QY	677	AGAAAACAGCTTCTTGCCATTTCAAATTTGACCACATCAGGCAGATGCGCTATCAGATCTG 736		
Db	800	GGAGATAAATCTCCAGCCTTACCCTTACCACATGTCGCGCACATGGCCTACCACTCTG 859		
QY	737	CGAGTCATAAATTTTTTACATCATATAAATTAAACCATACAGATCTGAAGCCTGAAAA 796		
Db	860	CCA CGCCTTTAGATTTCTGATGAGATCAGCTGACCCATACAGACTTGAAACCAAGAA 919		
QY	797	TATTTTGTGTTGTAAGTCTGACTGTGTAGTCAAAATAAATCTTAAATGAAAGTGATGA 856		
Db	920	CATCTGTTTGTGAATTCGTAGTTTGAACCCCTCTACAATGAGCAAGAGCTGTGAGGA 979		
QY	857	ACGCACACTGAAAAACACAGATATCAAAGTTGTTGACTTTTGAAGTGCAACGCTATGATGA 916		
Db	980	GAAGTCAGTGAAGAACACAGCATCCGAGTGGCTGACTTTGGCAGTGCACATTTGACCA 1039		
QY	917	TGNAACATCAGTACTTTTGTGTGTCTACCCGGCACTACAGAGCTCCGAGGTCAATTTTGGC 976		
Db	1040	TGAGCACCAACACACCAATTTGTGGCCACCCGCTCACTATCGCCCGCTGAGGTGATCCTTGA 1099		
QY	977	TTTGTGTTGTGCTCTCAGCCTGTGATGTTTGGAGCATAGGTTGCAATCTTATTGAAATTA 1036		
Db	1100	GCTGGGCTGGCACAGCCCTGTGAGCTGTGGASCATGGCTGCAATCTCTTTGAGTACTA 1159		
QY	1037	CTTTGTTTCAAGTCTTTTCAGACTCATGATAGTAAGAGCACCTGGCAATGATGAACG 1096		
Db	1160	CGGGGCTTCACTCTTTCAGACCCACGAAAAACCGAGACCACTGGTGATGATGAGAA 1219		

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RESULT 15
US-09-949-016-2649
; Sequence 2649, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2649
; LENGTH: 1763
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2649

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Query Match	18.3%;	Score 430.8;	DB 4;	Length 1763;
Best Local Similarity	63.5%;	Pred. No. 3.9e-98;		
Matches 657;	Conservative 0;	Mismatches 377;	Indels 0;	Gaps 0;
Qy	317	CCGAGGAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAG	376	
Db	440	CAGTAAGCGCAGACGCGGAGTGTGGAAAGATGACAAGGAGGTCACCTGGTGTCCGGAT	499	
Qy	377	TGGAGACGTTCTTAAGAGCAAGATATGAAATCTGTGGACACTTTGGTCAAGAGAGCCTTTGG	436	
Db	500	CGCGGATTGCTCCAGAGGCGATATGAGATTGTGGGGAACCTGGGTGAAGCACCTTTGG	559	
Qy	437	CAAAAGTTGTAGAGTGCAATTGATCATGCGATCGGATGGCATGATGATAGCAGTGAATAATCGT	496	
Db	560	CAAGGTGGTGGAGTGTCTGGACCATGCCAGAGGGAAGTCTCAGGTTSCCCTGAAGATCAT	619	
Qy	497	AAAAATGTAGGCGGTACCGTGAAGCAGCTCGTTCAGAAATCCAAGTATTAGAGCACTT	556	
Db	620	CCGCAACGTGGGCAAGTACCGGAGGCTGCCGGCTAGAAATCAACGTGCTCAAAAAAAT	679	
Qy	557	AAATAGTACTGTATCCCAATAGTGTCTTCCGATGTGTCAGATGCTAGAAATGGTTTGATCA	616	
Db	680	CAAGGAGAGGACAAAGAAAAAACAAGTCTCTGTGTGTCTGATGCTGACTGGTTCACATT	739	
Qy	617	TCATGTCATGTTTGTATTGTGTTGAACTACTGGGACTTTAGTACTTACGATTTCAATTA	676	
Db	740	CCAACGCTCATGTGATGCTCTTGAAGTCTCTGGGCAAGAACACCTTTGAGTTCCTGAA	799	

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